

Military District.

2-4-pr. bronze, Glengarry.
do Perth.

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

STATION.		GUNS—FIELD, SIEGE AND GARRISON.																						
		Rifled.										Smooth.												
		Wrought-iron.					Cast-iron, convertd.		Bronze.															
		Breech-loading			Muzzle-loading.										18-pr.			24-pr.						
		6 pr.	12-pr.	20-pr.	40-pr.	7-in.	9-pr.	61-pr.	7-inch.	8-inch.	64—32 pr.	7-inch—68 pr.	8-inch—68 pr.	7-pr.	3-pr.	6-pr.	9-pr.	12-pr.	12-pr., 34 cwt.	38 cwt.	42 cwt.	20 cwt.	48 cwt.	50 cwt.
Military District.		Ottawa, Time Gun.....																						
	5 & 6 }	Montreal Field Battery.....																	1					
		Store charge.....																	2		3			19
		Charge of City.....																						
		Granby, Shefford Field Battery.....																						
		Richmond Field Battery.....																						
		St. John Garrison Battery.....																						1
7		Quebec Field Battery.....																						
		Citadel.....																						
		King's Bastion.....									1	1											1	7
		Mann's do.....																						
		Richmond do.....						2												1			3	
		Diamond do.....						1																
		Dalhousie do.....						1																
		Parade Ground.....																						10
		Field Battery.....						2																
		City lines:—																						
		Upper Casemate.....																						
		St. Louis Curtain.....																						
		do Bastion.....																						
		Ursulines' Curtain.....																						
		do Bastion.....																						
		St. John's do.....																						10
		Barrack do.....						1																
		Armory Battery, No. 1.....																						
		do 2.....																						
		Artillery Barracks.....																						
		Drill Shed, Louis Road.....						1				1								1			1	1
		Towers No. 1.....																						
		2.....																	2				2	
		3.....																	2				2	
		Nunnery Battery, No. 1.....																						
		do 2.....																						
		Montcalm Battery.....																						
		Hope Gate do.....																						
		Half Moon do.....										1												2
		St. Charles do.....																						
		Assembly do.....																						
		Grand do.....																						
		Prescott Gate Battery.....										2												
		Wolfe's do.....										2												2
		Carronade.....																						
		"E" Magazine Yard.....																						
		Under Dufferin Terrace.....																						1
		Lévis, Artillery Park.....																						

and in Dominion Store charge, &c.—Continued.

[illegible]

REMARKS.

and in Dominion Store charge, &c.—*Concluded.*

[illegible]

J. MAOPHERSON, Lieut.-Col.,
Director of Stores and Keeper of Militia Properties.

APPENDIX No. 13.

REPORT OF THE ARCHITECT, ENGINEER BRANCH.

DEPARTMENT OF MILITIA AND DEFENCE,
OTTAWA, 31st December, 1886.

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.

Plans and specifications were prepared by this Department, and contract awarded in April last to Messrs. Hook & Toll, contractors, London, for new Infantry School. Works are now in progress, the buildings being roofed in, and it is expected will be ready for occupation by 1st July, 1887.

The site of the buildings is within the city limits, about one mile from the post office, or business centre of the city, and contains about 54½ acres, high, overlooking the city, and giving good facilities for drainage. The buildings are built of white brick on stone foundation with slate roofs with dressings of sandstone. The buildings are arranged to form three sides of a square connecting at angles; the front wing, facing the south, is 230 feet long, 36 feet average depth, and two storeys in height above ground, is arranged as residences for Commandant, Captain, Subalterns and attached Officers, Mess, Staff Offices and rooms for the necessary servants, all fitted with water supply, gas, water closets, baths, &c, and each residence has separate front entrance, and rear entrance to covered way in rear around the inner square, leading to all parts of the building.

The left hand or west wing, facing Elizabeth street, is 191 feet long, 42 feet 6 inches in depth, and two storeys in height above ground, with central arched entrance and tower over; this wing contains Sergeant Majors and Staff-Sergeants' quarters, guard room, cells, prisoners' rooms, Sergeants' mess, and kitchen, workshops, canteen, hospital wards and kitchen, reading room, recreation room, lecture hall and museum.

The right hand, or east wing, is 183 feet long, 42 feet 6 inches in depth, and two storeys in height above ground, is divided into seven barrack rooms on each floor above ground, with store rooms, men's kitchen, cellars and dining room on basement floor.

It is intended to heat the buildings by steam, the boiler house 28 by 21 feet being built in rear of the front wing, and sunk 16 feet below ground, so as to admit of the steam pipes being carried in a tunnel below level of the basement floor. Water supply pipes from city works are arranged around the buildings, with hydrants, for use in case of fire.

Contracts for fencing, heating, grading and outbuildings have yet to be let. Local Architect and Inspector of Works, Mr. F. Durand.

Toronto.

The new fence and gateways around New Fort Barracks, mentioned in my last report, have been completed by the contractor, Mr. Wm. Clarke.

Contract for the erection of four fuel stores to Officers' Quarters has been awarded to Messrs. Moss, Wilson & Howard, Toronto, and work is now in progress. Extensive repairs have been made to sea wall, damaged by storms, and further repairs will be required to be provided for in next year's estimate. Other minor general repairs have been made to the several buildings at New and Old Forts.

Hamilton.

The Drill Shed here was burnt down on 22nd May last. Contract for removing debris was awarded to Mr. Thos. Horn, Hamilton. Plans and specifications are now being prepared by this Department, and tenders will shortly be asked for the erection of new Drill Shed.

Niagara.

Sundry repairs at Fort Mississagua, mentioned in my last report, have been completed by the contractor, Mr. A. Lockwood.

Kingston.

At the Royal Military College a number of necessary repairs have been carried out, comprising general painting; outbuildings and fencing to Nos. 1 and 2 Officers' Quarters (lately No. 1); heating of dormitory building and No. 4 Officers' quarters by hot water; new entrance gates and piers; repairs to wharves; repairs to water supply from lake to pump house. Besides the above, a large number of minor repairs, as called for in the monthly barrack reports, have been executed.

Plans for a detached brick building for Cadets' Hospital have been prepared by this Department, and tenders will be shortly asked for. Contractor for heating dormitory, &c.—Mr. Jamieson, Kingston; contractors for entrance gates, Messrs. Chown & Cunningham, Kingston; Local Inspector, Sergt.-Major Birtles, R.M.C.

At Tête de Point Barracks a large number of minor repairs have been made to water supply, drains, roofs, closets, windows, &c. Repairs to fencing around Riding School have been made, and new privy, &c., erected.

At Fort Henry repairs have been made to parapets, magazine floor, bridge over ditch, sea wall, and extensive minor repairs to storehouses and magazines, in advance battery; also to roadway to fort. Repairs have been made to store building, Ordnance yard.

At Fort Frederick, repairs have been made to entrance gates, magazine, tower floors, and pointing to gorge wall completed.

Minor repairs have been made at Murney, Shoal, and Cedar Island towers. Local Architects and Inspectors to last mentioned works, Messrs. Power & Son, Kingston.

At Artillery Park Barracks the gun shed, occupied by Kingston Field Battery, has been reshingled, and minor repairs made by Mr. Thomas Overend, contractor, Kingston.

Ottawa.

At Nepean Point small arm magazine has been partly refloored, and repairs to boundary fence made.

At Drill Shed, Cartier Square, Museum has been cleaned and kalsomined, and room next Museum fitted up as anti-room for Rifle Battalion. Sundry general repairs have been made to this building, and dead trees around Cartier Square replaced. Drainage of basement to Caretaker's house has been improved.

At Militia Stores, Canal Basin, the roof has been repaired and painted, old heating furnace removed, old rain water tank converted into forge room.

Rear shed re-shingled, hoist repaired, platforms for guns and shot piles made, and new steps built from Sappers' Bridge down to store grounds, and sundry other repairs and improvements made.

At Rifle Range, Ottawa, a small addition to Caretaker's house has been made—Mr. E. St. George, contractor.

Prescott.

At Fort Wellington, sundry repairs have been made to chimneys, fencing, &c. At Drill Shed, surface drainage has been improved, and new fencing erected.

St. John's, Quebec.

At Infantry Barracks the following works have been done: Repairs to slating; strengthening roofs; repairs to chimneys; boarding ceilings, in place of defective plastering; renewing staircases to men's quarters; improving outlets of drainage to river; providing winter sashes; water supply to guardhouse; providing hose and hose reels for fire purposes; pointing to outside walls, and other minor repairs. Local Inspector, Mr. E. J. Charlton.

Chambly.

Repairs necessary for the proper preservation of the ruins of the Old Fort have been made. Mr. J. O. Dion, Local Inspector.

Quebec.

At Citadel the contracts awarded to Messrs. Power, Juneau & Bigaouette for excavation and laying of water supply pipes from Quebec City Water Works into and around the Citadel from St. Louis street have been completed. Contractor for supply of pipes, Mr. J. Robertson, Montreal. Six hundred feet of fire hose and the necessary reels have also been provided. The contracts for branch supplies to the several buildings and the necessary fittings are now being gradually let in such manner as will cause the least inconvenience to the Force now occupying the Citadel. Contracts for the necessary alteration to Dalhousie Bastion closets has been awarded to Mr. A. Lortie, and for alteration to hospital closets to Mr. J. Maguire. Tenders are now being asked for water supply and drainage to other parts. Water supply to casements and drainage has been provided. Contract for completion of roofs over casemates has been awarded to Mr. F. de Varennes.

A new drain from the Citadel to the river has been laid down the cliff to avoid the many complaints of city and medical authorities of previous open drain. Chimneys to several of the casemates have been taken down and rebuilt. Extensive minor repairs and improvements to the several buildings, &c., at the Citadel have been made.

On Esplanade new trees have been planted to replace those dead.

At Militia Offices, St. Louis street, the necessary repairs have been made by Mr. M. Hudon, contractor.

At Cartridge Factory a large number of minor repairs and improvements have been made by Mr. J. Mathieu, contractor.

Lévis.

At Engineer Park considerable repairs to buildings, fencing and drainage have been done under contract.

Sundry repairs have been made at No. 2 Fort, Lévis.

Inspector at Quebec and Lévis, Mr. J. Mathieu, Jun.

St. John, N.B.

At Drill Shed new armory floors have been laid and minor repairs made, and plank floor to main hall completed. Contractor for repairs, Mr. John Drury. Inspector, F. S. Hilyard.

At Fort Howe and Dorchester Batteries, Caretaker's house has been improved and repairs to magazine and arm shed, fencing, &c., made.

Fredericton.

A large number of minor repairs and improvements have been made at Infantry School Barracks, Park Barracks and Drill Shed, including drainage, closets, water supply, plastering, windows, &c.

Local Inspector, Mr. F. S. Hilyard.

Winnipeg.

At Fort Osborne (Mounted Infantry Barracks) additional buildings have been erected, and others are in progress of erection, viz.:—Hospital, Officers quarters, stabling: new fences around Barracks has been erected; and new drainage, water supply, and sidewalks provided and a large amount of minor repairs and alterations made to the old buildings all under contracts.

Local Architect and Inspector, Mr. W. Chesterton.

A large number of necessary repairs have been made to old wooden drill sheds in the several Provinces.

In your Annual Report for 1885 you spoke of the increasing importance of this branch and recommended an addition to the staff, but I am sorry to say that this recommendation was not acted on. As the duties of this branch are daily growing greater and the correspondence more voluminous, I beg to bring to your notice the urgent necessity of now making this addition to the staff, to enable the work to be carried on in a more systematic and therefore more satisfactory manner. When it is considered that the staff consists of only two it will readily be seen that when the plans, &c., of a new Drill Hall, Infantry School, or other large building, are in preparation, the other duties of the office are practically suspended.

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

H. JAMES,
Architect, &c.

Colonel The Hon. C. E. PANET,
Deputy Minister Militia and Defence,
Ottawa.

APPENDIX No. 14.

GOVERNMENT CARTRIDGE FACTORY.

QUEBEC, 1st December, 1886.

SIR,—I beg to report upon operations at the Government Cartridge Factory for the year ending 1st December, 1886, as follows:

1,748,720 rounds of service ball ammunition have been manufactured. A number of these were made of brass strip coiled.

The keeping qualities of this pattern have been tested comparatively with papered service Snider cartridges (Boxer pattern), in the following manner:—

Packages of each description were placed in a cell exposed to the dampness produced by an intermittent jet of steam and remained so exposed during twenty-five days.

The packages having been undone, the cartridges were at once ripped open with care and examined.

All the brass coiled cases examined were found to contain powder in a perfectly serviceable state, only 30 per cent. of the papered cartridges were found serviceable, the remainder were damaged, and, in some cases the powder was reduced to a paste.

The paper covering of the Boxer pattern cartridge had acted as a sponge, absorbing and keeping the moisture in the packages until the whole became saturated.

From the above experiment the brass coiled cartridges appear to suffer less from damp than the ordinary pattern, and for annual supplies, no difficulty in this respect need be apprehended.

The coiled brass ammunition is now packed in ammunition boxes marked on the top with a large C in red paint.

A quantity of blank ammunition has also been manufactured (520,000).

The converted blank cartridges are made from service ball ammunition rejected, from which the bullets have been extracted, served with a paper wad and top crimped.

They are not available for Martini-Henry Rifles or carbines as they do not extract easily after firing. They are to be used exclusively with the Snider rifle or carbine.

Boxes or barrels containing blank ammunition converted as above, are marked CD over the blue paper label. Cut-down service cartridges and paper cartridges are also made into blank ammunition. The latter are similar in pattern to the Regulation Blank cartridge Mark III. Both kinds are available for use with Martini-Henry and Snider arms. They are packed without distinguishing marks. A number of service cartridge cases made up to the point of finishing, are on hand; they may be filled when the present orders are completed.

Artillery projectiles for use in the Dominion, have until now, been imported. Having been directed to prepare a number for experimental purpose, I took steps to manufacture, at the Factory, some 9-pr. and 64-pr. M.L.R. shells.

In trying to obtain the castings from private firms in Quebec, it was found that, with the means at their disposal, they could not provide castings answering to our requirements.

I had therefore to get patterns, moulding boxes, core boxes, and other special apparatus made at the Factory workshop, succeeding finally after many rejections in getting a few shells cast sufficiently sound and true in shape for the preliminary trials.

The castings were received as they came out of the mould and finished by our own personnel.

As the manufacture of studless projectiles had not been undertaken in England for 9-pr. M.L.R., field guns, a gas check for these projectiles had to be designed here, giving sufficient bearing to the projections of the check in the rifling of the gun to ensure rotation and obviate shearing off, without weakening the base of the shell, diminishing its internal capacity, or lengthening it and so disturbing its centre of gravity. The 64-pr. shell had also to be provided with a gas check answering to the same requirements, and which was also designed here.

The intention in substituting gas checks for studs on projectiles for those guns, was to obtain greater range and accuracy, and also obviate the necessity of purchasing new machinery for this class of operations, if undertaken; as the present plant in the workshops was expected to be sufficient to finish studless projectiles for even the largest guns in the Dominion.

This has now proved to be quite possible.

The gas checks used for the 9-pr. projectiles are made of copper, cast nearly to figured dimensions, and turned or milled to exact measurements. The projections are milled to the required angle and shape by cutters, and several gas checks can be run through at a time. The exterior surface is also milled, and the interior surface finished to take the base of the shell allowing .01 inch of play round the base to ensure easy fitting.

The 9-pr. studless shrapnel shell takes the same gas check as the common shell. The interior of the shell at its base is of a shape allowing enough metal to resist the shock of discharge, and forming a sufficiently large powder chamber. The length and weight of this shrapnel are slightly more than those of the Woolwich pattern, not enough, however, to interfere with the shooting. It contains the same number and description of bullets as the service pattern.

The gas checks of the 64-pr. studless shells manufactured at the Factory are also of copper, cast nearly to figured dimensions, subsequently milled and finished to exact measurements, in a similar manner to that of the 9-pr. shell.

In connection with the manufacture of these shells, I have much pleasure in acknowledging the valuable assistance rendered by Mr. W. Dixon, foreman of the main Factory.

Experimental practice with 9-pr. common studless shell, manufactured at Quebec, was commenced on the 11th March last, with very good results, on a range of 1,060 yards, measured off on the ice at the mouth of the St. Charles River, near Beauport Flats. A second experiment with a strengthened gas check took place on a measured range of 1,500 yards on the ice, the 30th March. Report hereunder:—

1st studless shell,	2 feet under,	1 foot to right.
2nd do	57 do	1 do
3rd do	93 do	direct line.
4th do		do hit.
5th do	81 do	1 foot to left.
6th do	25 do	ricochet hit.
7th do		direct hit.
8th do		do

The "probable rectangle" obtained from the experiment is: Length 32.44 yards, breadth 1.88 yards. The studded shell at official trials: Length 50.11 yards, breadth 2.37 yards, at a range of 1,552 yards.

The elevation for 1,400 yards was found sufficient when firing at 1,500 yards measured range with the studless shells. Deflection nil, the wind slight, being straight from the front. The strengthened gas checks answered very well.

The practice carried out with 9-pr. studless shells, in October last, by the Board of Officers appointed to report thereon, has corroborated the results of my previous experiments. The elevation of 3° 10' at which the Woolwich shells had been fired for a range of 1,600 yards had to be reduced to 3° 2', and for shrapnel the

elevation was $3^{\circ} 6'$ instead of $3^{\circ} 20'$ required for the studded shrapnel. The direction with both the 9-pr. and 64-pr. shells fired before the Board was perfect.

The practice with the studless 64-pr. shells was also considered very good. The elevation given for the studless shell for 1,600 yards was 3 degrees 5 minutes. An elevation of 3 degrees 26 minutes was required for the same range with studded 64-pr. common shell; a gain in range, as I would estimate, of about 150 yards. §

Improvements have continued in the manufacturing machinery to perfect production, increase it and reduce hand labor. A water motor, designed by Messrs. Panet & Halle, both employed at the Factory, was set in the filling room at the Laboratory to increase and improve the filling power of the machinery.

The water motor is very regular in its action and the result obtained in the filling is quite satisfactory, permitting to dispense with a-third of the hands formerly employed at this work.

The supply pipe for the motor is encased with the heating pipes. It would, however, be exposed to freeze in winter during the night, when steam is shut off, as it runs overground to the filling room, but a connection with the steam pump allows to empty the pipe after work.

Most of the water running waste from the water motor is used for the steam boiler.

Water meters have been placed at the main Factory and at the Laboratory to register the quantity of water used for manufacturing purposes. The city corporation claims for water furnished will thus be brought to a perfect correspondence with the quantities consumed.

The Edison electric light machines and apparatus now in use for over eighteen months, continue to give satisfaction, a very small percentage of lamps having burnt out, though most have exceeded their guaranteed time.

The steam engines and boilers at the main Factory, Laboratory and fulminate buildings are in good order. They have been thoroughly examined during the year and found in perfect condition, attributable to careful management and nearly exclusive use of water injectors.

The annual supply of raw material was received in good order. The quality of the articles answered to specification. The lead, brass and copper as well as the paper and other supplies, being equal to samples furnished to contractors.

Owing to the difficulty of obtaining transport for our supply of fulminates, I had to take steps to ensure their manufacture in the country.

I succeeded in getting the quantities required, which have been tested and found very effective in their action. Larger quantities can be produced when necessary for military or other purposes, viz., manufacture of percussion fuzes, detonators for submarine mining, &c.

Two lots of R. F. G. powder were obtained this year for manufacturing purposes. The first in April and the second in November.

The powder received was subjected to a very strict examination and thorough tests. The density was determined by means of a Bianchi densimeter. The operation is conducted thus: A globe of glass, screwed to a stand, is connected with a vacuum pump by a strong rubber tube. When the vacuum in the glass globe has reached a determined point, mercury is allowed to fill the globe, compelled by atmospheric pressure depending on the perfection of the vacuum in the instrument.

The globe, closed by stop cocks, is then unscrewed from the stand and weighed filled with mercury. It is afterwards emptied, and a sample of 100 grammes of powder introduced in the globe, which is again connected to the vacuum pump and refilled with mercury. The globe is re-weighed, filled as it is with powder and mercury, the weight noted carefully and the density of the sample of powder in it, determined by formula

$$D = \frac{S \times 100}{(W - W') + 100}$$

S=Specific gravity of mercury at time of experiment.

W=Weight of globe full of mercury.

W= do do do and powder.

100=Weight of sample of powder.

The test for determining the muzzle velocity of powder is performed at the factory with a Le Boulange ballistic chronograph.

This instrument, as set down at this establishment, consists of: (1.) The chronograph proper, placed in a room of the office buildings. (2.) A rifle on its rest placed in a wooden shooting shed about 90 yards from the office. (3.) A small iron target, suspended to an iron tripod placed in a pit 50 meters from the muzzle of the rifle, and both target and rifle are connected to the instrument by telegraph wires.

Electric batteries furnish distinct currents to the target and the rifle; a signal bell having also a distinct circuit to the shooting shed connecting the operator in the instrument room with the man firing the rifle.

The chronograph is a brass upright supporting two electromagnets fixed on opposite sides and at unequal heights. One of the magnets, when in action, supports an armature (rod) called the "chronometer," and the other magnet, an armature (rod) shorter than the first, called the "registrar."

A third active element of the instrument is the "indenter," placed horizontally at the foot of the upright and set on a spring, to be released by the fall of the "registrar."

Suspending both armatures, the signal bell is rung, and on firing the rifle a wire at its muzzle is broken, the "chronometer" circuit interrupted, and the "chronometer" falls vertically. The arrival of the bullet on the target interrupts the "registrar's" circuit, the registrar falling releases the falling "chronometer." A circular knife which springs forward and strikes the falling "chronometer." A zinc tube, with which the latter is covered, receiving an indent, which will appear the higher up on chronometer rod, that more time has elapsed between the rupture of the two circuits, i.e., the passage of the bullet from the rifle to the target.

To compensate for the time of demagnetising the electro-magnets and other retarding causes in the apparatus, a constant allowance is made, equivalent to 0.15 sec. time of falling of the "chronometer," in the readings.

A "disjuncter" is used in connection with the instrument to ascertain if the latter is properly set. The "disjuncter" interrupts when released both currents at the same time. The "indenter" should then strike the "chronometer" at a point 110.37 m.m. above the origin (zero of the scale).*

A scale is provided with the instrument which reads the heights of fall from which are deduced the velocities observed and, by formula $\frac{d^2}{W}S$, the muzzle velocities.

A chemical analysis of the ingredients of the powder received at the Factory is also performed.

It consists in testing the undissolved ingredients (sulphur and charcoal) by heat in tubes, and on platinum foil.

The characteristic fumes of sulphur are readily detected, and charcoal burns slowly away. Any residue after the charcoal has disappeared consists of ash and incombustible impurities.

The dissolved parts, viz., nitre and soluble impurities, are tested for: 1st, potash; 2nd, nitric acid; 3rd, chlorides; 4th, sulphates; 5th, lime; the three latter tests are for impurities, chlorides being the most detrimental; nitre must be free from them.

The hygroscopic test is important to ascertain power of resistance to moisture. Dried samples of powder are placed in a box which closes hermetically, and is protected externally by non-conducting material.

* The above disjunction reading is not correct in the latitude of Quebec. The variation of gravity is determined by formula $g = g_0 (1 - 0.002588 \cos. 2 \lambda)$

A solution of saltpetre charges the air in the box with moisture. The samples thus exposed to moisture are each weighed at regular intervals of time, to determine the quantity absorbed by each.

Powder in its normal state should not contain more than 1 per cent. of moisture. To find if this percentage is exceeded a small quantity of crushed powder is placed between close fitting watch glasses and weighed. It is placed under a jar, exposed to the dissicating effect of oil of vitriol and weighed from time to time until an unvarying weight is obtained.

The shape, the size of grains, the proportions of the different sizes, form also subjects of enquiry. The size of grain is determined by sifting a thoroughly mixed sample of powder on sieves of a fixed number of meshes to the lineal inch.

Though a doubt is attached to the value of flashing powder as a comparative test for incorporation, it is however still resorted to. A badly worked powder or a sample that had suffered from damp would readily be detected by this test.

A number of cartridges filled with powder from each lot examined are fired with Snider Enfield rifles from Whitworth rests, on targets at 500 yards range and the grouping carefully noted on diagrams kept of record.

This is the most important test in determining the serviceableness of powder. Others are only indicative of results that may be obtained with the powder in manufacture.

Last winter some proposed alterations in the bullet machinery led to ascertain experimentally the action of the clay plug in the Snider bullet fired from the service rifles, using butts of snow to avoid distorting the bullets which were shot into them and afterwards recovered. A butt of soft snow was formed 7 to 8 feet thick and the bullets fired into it from a distance of 42 yards, some at 18 inches from the top, others lower down. Those fired towards the top passed through and were found on the snow 10 to 12 feet off. When fired about 4 feet from the top, the bullets lodged 4 to 5 feet in the butt.

In very light snow such as banked up by the wind, the bullets travelled through about 20 feet, ricocheted upwards and fell from 12 to 15 feet further. In damp and thawing snow bullets fired 6 yards off penetrated 4 to 5 inches and were considerably deformed, flattened and some turned inside out.

A number of bullets both of English and Canadian manufacture were recovered in perfect condition during those experiments and were found bulged out to the full diameter of lands and grooves of the rifle; they were set up from 1.04 inch to 1.01 inch, having lost $\frac{1}{16}$ of an inch in length, indicating to what extent the determination of length and shape of soft metal projectiles must be a matter of experiment.

The clay plugs had been forced a variable distance up the recess of the base of the bullets.

The expanded base of bullets fired from long Snider Enfield rifles (3 grooved) had a triangular shape; those fired from (5 grooved) short Snider Enfield had remained nearly circular at the base.

The cannellures in all cases had become obliterated and a quantity of wax still adhered in the bottom of the cannellures, limiting thus the favorable action attributable to the cannellures, according to certain theorists, on the trajectory of Snider bullets.

The usual tests have been applied to the ammunition during the year. The annual figure of merit, calculated from the total of figures of merit of targets fired during the year is 15.35 inch.

Careful attention to the temperature in the filling rooms, and improvements in machinery, have made it possible to reduce the variations in charge to a limit of one grain in 93 to 95 per cent. of the cartridges, and about 5 to 7 per cent. are within a limit of 1 to $1\frac{1}{2}$ grain. A variation of 2 grains is allowed at Woolwich in filling Martini-Henry ammunition, and 4 grains were allowed for Snider. R.F.G. powder absorbs moisture readily; uniformity of weight in the charge can only be secured by filling at a constantly even temperature, however perfect the machinery and

however perfect the powder of its kind. Hence, the difficulty of obtaining unvariable charges in the ordinary course of manufacture. Nor would extreme accuracy on this point, though of course desirable, be of practical value when other uncontrollable causes of irregularity in range are considered. As a matter of experiment, rounds of specially prepared ammunition with charges of 68, 69, 70, 71 and 72 grains of powder respectively, fired from fixed rests at 500 yards, gave a vertical deviation of only 4 inches and $\frac{1}{16}$ on a target, between the highest and lowest charges; entirely bearing out the results obtained by mathematical calculations.

The personnel of the factory has not varied in average number of employés. The only increase to the permanent staff was by the appointment of Lieut. Jao G. Hearn (late of Royal Military College, Kingston) as Assistant Superintendent. This officer completed a course of several months at the Royal Arsenal, Woolwich, and on his return assumed his present duties.

Several repairs and alterations authorized to the buildings in my charge have been put in hand and are now being performed. The outdoor work was commenced very late in the season, and I beg to suggest that future repairs may be done earlier in the year.

The addition of skylights to the workshop has very much improved it, giving plenty of light which was required for the kind of work performed.

A hot water apparatus, formerly used at the Laboratory and replaced by a more efficient one, was removed and fitted into the office buildings by the Factory workmen. Valuable instruments which suffered from extremes of temperature during winter will now be protected, and the personnel employed at office work will perform their duties with more comfort.

To meet further enquiries that might be made in the matter of manufacturing artillery projectiles, the site of a carronade battery adjacent to the factory workshop has been examined, and tracings and estimates prepared for the construction of a foundry in connection with this Government establishment. An area of 600 square feet could be cheaply covered in on the proposed site, which would be quite sufficient for the purpose.

Line-shafting could be run from the workshop to the foundry and work the cupola blowers, &c., thus manufacturing under very economical conditions, as the steam power would be borrowed from the adjacent factory.

There are quantities of old cast iron guns and spherical projectiles in the country, useless at present for military purposes, which could be utilized to manufacture Artillery projectiles for rifled ordnance, reducing the expense of annual supplies to the Artillery of the Dominion.

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

OSCAR PRÉVOST,

Superintendent Government Cartridge Factory.

To the Deputy Minister of Militia and Defence,
Ottawa.

APPENDIX No. 15.

—
THE
MILITIA LIST
OF THE
DOMINION OF CANADA.

—
CORRECTED TO 1ST JANUARY, 1887.
—



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EXPLANATION OF ABBREVIATIONS.

<i>M D</i>	Military District.
<i>Prov</i>	Provisionally appointed.
<i>l c</i>	Lieutenant-Colonel.
<i>lt</i>	Lieutenant.
<i>m</i>	Major.
<i>a c</i>	Artillery Certificate.
<i>c c</i>	Cavalry " "
<i>m s</i>	Military School Certificate.
<i>g s</i>	Gunnery " "
<i>g s e</i>	Engineer Certificate obtained at Royal School of Gunnery.
<i>g s i</i>	Infantry Certificate obtained at Royal School of Gunnery.
<i>q f o</i>	Qualified former Provincial Organization.
<i>r m c</i>	Royal Military College Diploma.
<i>r s a</i>	Royal School of Artillery Certificate.
<i>s c</i>	School of Cavalry " "
<i>s m i</i>	School of Mounted Infantry " "
<i>s i</i>	School of Infantry " "
<i>m q</i>	Military Qualification " "
<i>v b</i>	Board of Examiners
37-8.....	Served during rebellion of 1837-38.
<i>F</i>	" " Fenian raid.
<i>R</i>	" Red River Expedition.
<i>N W</i>	" during N.W. rebellion, 1885.
<i>m</i>	Medal for war services, Imperial Army.
<i>C B</i>	Companion of the Order of the Bath.
<i>G C M G</i>	Grand Cross of the Order of St. Michael and St. Georges.
<i>K C M G</i>	Knight Commander " " "
<i>C M G</i>	Companion " " "

Errors and omissions will be rectified on notification thereof through the proper channel of communication.

Corps.	Military District.	Province.	Column.	Corps.	Military District.	Province.	Column.
<i>Cavalry.</i>				<i>Garrison Artillery—Continued.</i>			
Cavalry School Corps	7	Que...	31	Pictou	9	N.S...	64
Governor General's Body Guard	2	Ont...	35	Prince Edward Island P. Brig.	12	P.E.I.	60
1st Regt.	1	do...	36	Quebec, No. 1	7	Que...	64
2nd do	2	do...	37	do No. 2	7	do...	64
3rd F. Regt.	3	do...	39	do No. 3	7	do...	65
4th Regt.	3	do...	40	St. John's	5	do...	65
5th do	5	Que...	41	Toronto	2	Ont...	66
6th do	5	do...	42	Yarmouth	9	N.S...	66
8th do	8	N.B...	43				
King's Troop	9	N.S...	45				
Prescott do	4	Ont...	47				
Princess Louise Dragoon Guards	4	do...	47				
Queen's Own Canadian Hussars	7	Que...	46				
Winnipeg Troop	10	Man...	48				
<i>Field Artillery.</i>				<i>Mountain Artillery.</i>			
1st P. Brigade	1	Ont...	47	Sault Ste. Marie	2	Ont...	65
Durham	3	do...	49				
Gananoque	4	do...	49				
Hamilton	2	do...	49				
Kingston	3	do...	50				
London	1	do...	50				
Montreal	5	Que...	51				
Newcastle	8	N.B...	51				
Ottawa	4	Ont...	52				
Quebec	7	Que...	52				
Richmond	5	do...	53				
Sheffield	5	do...	53				
Sydney	9	N.S...	53				
Toronto	2	Ont...	53				
Welland Canal	2	do...	54				
Winnipeg	10	Man...	55				
Woodstock	8	N.B...	56				
<i>Garrison Artillery.</i>				<i>Engineers.</i>			
Regiment Canadian Artillery			31	Brighton Company	8	N.B...	65
British Columbia Brigade	11	B.C...	57	Charlottetown Company	12	P.E.I.	67
Cobourg	3	Ont...	62	Montreal Company	5	Que...	68
Collingwood	2	do...	62				
Digby	9	N.S...	62				
Gaspé	7	Que...	63				
Halifax, 1st Brigade	9	N.S...	55				
Lévis, No. 1	7	Que...	63				
do No. 2	7	do...	63				
Lunenburg	9	N.S...	63				
Mahone Bay	9	do...	64				
Montreal Brigade	5	Que...	58				
New Brunswick Brigade	8	N.B...	59				

Corps.	Military District.	Province.	Column.	Corps.	Military District.	Province.	Column.
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25th do	1	do...	103	68th do	9	N.S...	180
26th do	1	do...	105	69th do	9	do...	183
27th do	1	do...	107	70th do	7	Que...	185
28th do	1	do...	109	71st do	8	N.B...	186
29th do	1	do...	111	72nd do	9	N.S...	188
30th do	2	do...	112	73rd do	8	N.B...	190
31st do	1	do...	114	74th do	9	do...	191
32nd do	1	do...	116	75th do	9	N.S...	193
33rd do	2	do...	118	76th do	6	Que...	194
34th do	2	do...	120	77th do	2	Ont...	196
35th do	2	do...	122	78th do	9	N.S...	197
36th do	2	do...	124	79th do	5	Que...	199
37th do	2	do...	126	80th do	6	do...	201
38th do	2	do...	128	81st do	7	do...	202
39th do	2	do...	130	82nd do	12	P.E.I.	204
40th do	3	do...	132	83rd do	6	Que...	206
41st do	4	do...	134	84th do	6	do...	207
42nd do	4	do...	136	85th do	6	do...	209
43rd do	4	do...	137	86th do	6	do...	210
44th do	2	do...	140	87th do	7	do...	212
45th do	3	do...	142	88th do	7	do...	213
46th do	3	do...	143	89th do	7	do...	215
47th do	3	do...	145	90th do	10	Man...	217
48th do	3	Ont...	147	91st do	10	Man...	218
49th do	5	Que...	149	92nd do	7	Que...	219
50th do	5	do...	151	93rd do	9	N.S...	220
51st do	5	do...	153	94th do	9	do...	222
52nd do	5	do...	155	95th do	10	Man...	223
53 do	5	do...	156	District of Algoma Prov. Batt.	2	Ont...	224
54th do	7	do...	158				
55th do	4	Ont...	160				
56th do	3	do...	162				
57th do	5	Que...	164				
58th do	4	Ont...	166				
59th do	5	Que...	168				
60th do	7	do...	170				
61st do	8	N.B...	171				
62nd do	9	N.S...	173				
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				New Westminster	11	B.C...	225
				St. John	8	N.B...	226
				St. John	2	Ont...	226
				Sault Ste. Marie	10	Man...	227
				St. Boniface	10	do...	227
				St. Jean Baptiste	11	B.C...	228
				Victoria Rifle Company			

List of Active Militia Corps

No. 1. Ont.	No. 2. Ont.	No. 3. Ont.	No. 4. Ont.	No. 5. Que.	No. 6. Que.
<i>Cavalry.</i>	<i>Cavalry.</i>	<i>Cavalry.</i>	<i>Cavalry.</i>	<i>Cavalry.</i>	
1st Regiment.	Governor General's Body Guard 2nd Regiment.	3rd P. Regiment 4th "	Prescott Troop. Princess Louise. Dragoon Guards.	5th P. Regiment. 6th "	
<i>Field Batteries.</i>	<i>Field Batteries.</i>	<i>Field Batteries.</i>	<i>Field Batteries.</i>	<i>Field Batteries.</i>	
1st P. Brigade, London.	Hamilton. Toronto. Welland Canal.	Durham. Kingston.	Gananoque. Ottawa.	Montreal. Richmond. Shefford.	
<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>	
	Collingwood Battery. Toronto Battery.	" A " Battery, R.C.A. Cobourg Battery		Montreal Brigade. St. John's Battery.	
	<i>Mountain Artillery.</i>				
	Sault Ste. Marie.				
				<i>Engineers.</i>	
				Montreal Company.	

by Military Districts.

No. 7. Que.	No. 8. N.B.	No. 9. N.S.	No. 10. Man., N.W.T. and Kew.	No. 11. B.C.	No. 12. P.E.I.
<i>Cavalry.</i>	<i>Cavalry.</i>	<i>Cavalry.</i>	<i>Cavalry.</i>		
Cavalry School. Queen's Own Canadian Hussars	8th Regiment.	King's Troop.	Winnipeg Troop.		
<i>Field Batteries.</i>	<i>Field Batteries.</i>	<i>Field Batteries.</i>	<i>Field Batteries.</i>		
Quebec.	Newcastle. Woodstock.	Sydney.	Winnipeg.		
<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>		<i>Garrison Artillery.</i>	<i>Garrison Artillery.</i>
" B " Battery R.C.A. Gaspé Battery. Lévis No. 1. Battery. Lévis No. 2 Battery. Quebec No. 1 Battery. Quebec No. 2 Battery. Quebec No. 3 Battery.	New Brunswick Brigade.	Digby Battery. Halifax 1st Brigade. Lunenburg Battery. Mahone Bay Battery. Pictou Battery. Yarmouth Battery.		" C " Battery R.C.A. B.C. Brigade.	P. E. Island Provisional Brigade.
	<i>Engineers.</i>				<i>Engineers.</i>
	Brighton Company.				Charlottetown Company.

List of Active Militia Corps

No. 1. Ont.	No. 2. Ont.	No. 3. Ont.	No. 4. Ont.	No. 5. Que.	No. 6. Que.
<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>
7th Battalion.	"O" Co. I. S. C.	14th Battalion.	1st Battalion.	"B" Co. I. S. C.	64th Battalion.
21st do	2nd Battalion.	15th do	Governor Gen.'s	1st Battalion.	65th do
22nd do	10th do	16th do	Foot Guards.	3rd do	76th do
24th do	12th do	40th do	18th Battalion.	5th do	80th do
25th do	13th do	45th do	41st do	6th do	83rd do
26th do	19th do	46th do	42nd do	11th do	84th do
27th do	20th do	47th do	43rd do	50th do	85th do
28th do	31st do	49th do	56th do	51st do	86th do
29th do	34th do	57th do	59th do	52nd do	
30th do	35th do			53rd do	
32nd do	36th do			54th do	
33rd do	37th do			58th do	
	38th do			79th do	
	39th do				
	44th do				
	77th do				
	Algoma Prov.				
	Battalion.				
	Sault Ste. Marie				
	Company.				

by Military Districts—Concluded.

No. 7. Que.	No. 8. N.B.	No. 9. N.S.	No. 10. Man., N.W.T. and Kew.	No. 11. B.C.	No. 12. P.E.I.
<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>	<i>Infantry and Rifles.</i>
8th Battalion.	"A" Co. I. S. C.	63rd Battalion.	School Mounted	New Westminster	82nd Battalion.
9th do	62nd Battalion.	66th do	Infantry.	Company.	
17th do	67th do	68th do	90th Battalion.	Victoria Rifle	
23rd do	71st do	69th do	91st do	Company.	
55th do	73rd do	72nd do	95th do		
61st do	74th do	75th do	Emerson Com-		
70th do	Saint John Com-	78th do	pany.		
81st do	pany.	93rd do	St. Boniface		
87th do		94th do	Company.		
88th do			St. Jean Baptiste		
89th do			Company.		
92nd do					

MILITARY DISTRICTS.

ONTARIO.

1.	1st Brigade Division.	Bothwell, Elgin, Essex, Kent,	Lambton. London (city). Middlesex. Oxford.
	2nd Brigade Division.	Bruce, Huron, Perth,	Waterloo. Wellington.
	3rd Brigade Division.	Brant, Haldimand, Hamilton (city)	Monck. Niagara. Norfolk.
2.	4th Brigade Division.	Lincoln, Cardwell, Grey, Algoma, Ontario,	Wentworth. Peel. Simcoe.
	5th Brigade Division.	City of Toronto.	York.
3.	6th Brigade Division.	Durham, Northumberland,	Peterborough. Victoria.
	7th Brigade Division.	Addington, Frontenac, Hastings, Brockville,	Kingston (city). Lennox. Prince Edward.
	8th Brigade Division.	Carleton, Cornwall, Dundas, Glengarry, Grenville, Lanark.	Leeds. Ottawa (city). Prescott. Renfrew. Russell. Stormont.

QUEBEC.

5.	1st Brigade Division.	Argenteuil, Montreal, West, Montreal, 2nd centre,	Ottawa. Pontiac.
	2nd Brigade Division.	Brome, Chateauguay, 2nd Div., Huntingdon, Iberville,	Missisquoi. Napierville. Shefford.
	3rd Brigade Division.	Compton, Drummond, Richmond, Beauharnois,	St. John's. Sherbrooke. Stanstead.
6.	4th Brigade Division.	Chateauguay, 1st Div., Hochelaga, Jacques Cartier, Laprairie, Laval,	Montreal, East. Montreal, 1st Centre. Soulanges. Terrebonne.
	5th Brigade Division.	Berthier, Joliette, L'Assomption, Maskinongé, Arthabaska,	Two Mountains. Vaudreuil. Montcalm. St. Maurice.
	6th Brigade Division.	Bégot, Chambly, Nicolet, Richelieu.	Three Rivers (city). Rouville. St. Hyacinthe. Verchères. Wolfe. Yamaska.

7.	7th Brigade Division.	Beauce, Bellechasse, Bonaventure, Dorchester, Gaspé, Kamouraska, Lévis,	L'Islet, Lotbinière. Montmagny. Mégantic. Rimouski. Témiscouata.
	8th Brigade Division.	Champlain, Charlevoix, Chicoutimi, Montmorency.	Quebec. Quebec (city). Portneuf. Saguenay.

NEW BRUNSWICK.

8.	1st Brigade Division.	Carleton, Charlotte, Sunbury,	Victoria. York.
	2nd Brigade Division.	Albert, King's, Gloucester,	Queen's. St. John. Restigouche.
	3rd Brigade Division.	Kent, Northumberland.	Westmoreland.

NOVA SCOTIA.

9.	1st Brigade Division.	Antigonish, Colchester, Cumberland, Guysboro', Annapolis, Digby, King's, Lunenburg,	Hants. Halifax. Halifax (city). Pictou. Queen's. Shelburne. Yarmouth,
	2nd Brigade Division.	Cape Breton, Inverness,	Richmond. Victoria.
	3rd Brigade Division.		

MANITOBA.

Military District No. 10 comprises the whole of the Province of Manitoba, the North-West Territories and District of Keewatin. Not as yet formed into either Brigade or Regimental Divisions.

BRITISH COLUMBIA.

Military District No. 11 comprises the whole Province. No Brigade Divisions. Regimental Division, Victoria (city).

PRINCE EDWARD ISLAND.

Military District No. 12 comprises the whole Province and consists of the following Regimental Divisions:—

King.
Prince.
Queen.

DOMINION OF CANADA.

THE QUEEN.

AIDE-DE-CAMP TO THE QUEEN.

Gzowski, Col. Casimir S., Staff Officer to Eng. Force, (*Honorary*) 24th May, 1879.
(Col. 24th May, 1879.)

GOVERNOR GENERAL.

Lansdowne, Most Hon. Sir H. C. K. Petty Fitzmaurice, *Marquis of, G.C.M.G.*,
23rd October, 1883.
Extra Aides-de-Camp..... { Bernard, Lt.-Col. Hewitt, *C.M.G.*, 2nd October, 1868.
Layton, Captain G. K. (Provincial, British Columbia)
10th November, 1876.

DEPARTMENT OF MILITIA AND DEFENCE.

MINISTER OF MILITIA AND DEFENCE, Caron, Hon. Sir A. P., *K.C.M.G.*, Ottawa.
8th November, 1880.
Deputy of the Minister of Militia and Defence, Panet, Col. Chas. Eugène,
4th February, 1875.
(Col. 28th April, 1886.)

ACCOUNT BRANCH.

Accountant.....O'Meara, C. Herbert, *Esq.*, 1st Nov., 1880.

STORE BRANCH.

Director of Stores and Keeper of } Macpherson, Lt.-Col. John, 1st Nov., 1880.
Militia Properties..... { (Lt.-Col. 25th Nov., 1865.)

ENGINEER BRANCH.

Architect.....James, Henry, *Esq.*, 1st July, 1884.

HEADQUARTERS STAFF OF THE MILITIA.

Major-General Commanding the { m NW Middleton, Sir Frederick D., *K.C.M.G., C.B.*,
Militia of the Dominion..... { Ottawa.
12th July, 1884.
Aide-de-camp, NW Wise, Capt. Henry Ellison (Lt. Sco. Rif.) 28th Oct., 1884.
(Capt. 28th Oct., 1884.)
Adjutant General of Militia at Headquarters, Powell, Col. Walker, Ottawa.
21st April, 1875.
(Col. 22nd August, 1873.)
Inspector of Artillery and Warlike { Irwin, Lt.-Col. De La Cherois T., Lt.-Col., late
Stores for the Dominion, Ottawa. { R. Art.) 1 Aug., 1882.
14th Jan., 1876.
(Lt.-Col. 14th May, 1875.)
Assistant Inspectors of Artillery..... { NW Montizambert, Lt.-Col. Charles E.
1st Aug., 1882.
(Lt.-Col. 8th Feb., 1877.)
Cotton, Lt.-Col. William Henry, 1st Aug. 1882.
(Lt.-Col. 1st June, 1877.)
Inspector of Engineers..... { The Professor of Fortification, R. M. C.,
5th August, 1881.
Staff Officer to Engineer Force..... { Gzowski, Col. Casimir S. (*Hon. Aide-de-Camp*
to the Queen) 10th April, 1874.
(Col. 24th May, 1879.)
Engineer Officer at Headquarters.. { Perley, Capt. Henry Fullerton, late N. B.,
Eng. Co., 14th June, 1880.
Capt. 10th July, 1874.
Surgeon General..... { Bergin, Col. Darby, *M.D.*, 24th April, 1885.
(Col. 28th April, 1886.)

DISTRICT STAFF.

PROVINCE OF ONTARIO.

Military District No. 1, { Dep. Adj. General F, NW Jackson, Lt.-Col. William
Headquarters. { Hayes, 1st April, 1881.
London. { (D.A.G., 26th December, 1873.
(l c 4th Sept., 1863.)
Brigade Major, F Aylmer, Lt.-Col. Hon. Matthew, (late
Lient. 7th F.) 1st January, 1881.
(B.M., 13th March, 1874.)
(l c 13th October, 1876.)
District Paymaster, Dawson, Bt. Lt.-Col. Melville DeBlois,
12th Feb. 1884.
(l c 5 Oct. 1876.)
Superintendent of Stores, 12th Feb., 1884.
Dep. Adj. Gen., F, NW Otter, Lt.-Col. William Dillon,
1st July, 1886.
(l c 4th June, 1874.)
Military District No. 2, { Brigade Major.....
Headquarters, { District Paymaster, F Alger, Hon. Lt.-Col. W. Norcott,
Toronto. { 19th January, 1869.
Superintendent of Stores, 1st July, 1879.

PROVINCE OF ONTARIO—Continued.

Military District No. 3,
Headquarters,
Kingston. { *Dep. Adj. General, F Villiers, Lt.-Col. Henry V. (late Lieut. 83rd F.)* 1st April, 1881.
(*l c 13th September, 1866.*)
District Paymaster, King, Hon. Major William, 1st July, 1879.
Superintendent of Stores, 30th June, 1876.

Military District No. 4,
Headquarters,
Ottawa. { *Dep. Adj. General, NW LaMontagne, Lt.-Col. Elzéar,* 21st Dec., 1883.
(*l c 15th March, 1867.*)
Brigade Major m Lewis, Lt.-Col. Joseph William (late Capt. 65 F.) 1st Dec., 1883.
(*l c 29th Feb., 1884.*)

PROVINCE OF QUEBEC.

Military District No. 5,
Headquarters,
Montreal. { *Dep. Adj. General, NW Van Straubenzee, Lt.-Col. Bowen* 1st April, 1881.
(*late Maj. 100th F.*) (D.A.G., 6th May, 1876.)
(*l c 6th May, 1876.*)
Brigade Major, { F Mattice, Lt.-Col. Gregor, 1st January, 1881.
(B.M., 26th Dec., 1873.)
(*l c 26th Dec., 1878.*)
District Paymaster, de Bellefeuille, Lt.-Col. Charles (late Lieut. 100th F.) 24th July, 1881.
Superintendent of Stores, 1st July, 1879.

Military District No. 6,
Headquarters,
Montreal. { *Dep. Adj. General, de Lotbinière-Harwood, Lt.-Col. A. C.,* 1st January, 1869.
(*l c 1st Jan., 1869.*)
Brigade Major, NW Hughes, Lt.-Col. George E. A., 21st Dec., 1883.
(*l c 14th March, 1884.*)
District Paymaster, de Bellefeuille, Lt.-Col. Charles (late Lieut. 100th F.) 1st July, 1879.
Superintendent of Stores, 1st July, 1879.

Military District No. 7,
Headquarters,
Quebec. { *Dep. Adj. General, Duchesnay, Lt.-Col. Théodore J. (late Lieut. 25th F.)* 6th May, 1876.
(*l c 15th March, 1867.*)
Brigade Major, R Taschereau, Lt.-Col. Joseph E. M., 21st Dec., 1883.
(*l c 29th Feb., 1884.*)
District Paymaster, NW Forrest, Hon. Lt.-Col. William Henry, 19th January, 1869.
Superintendent of Stores, 1st July, 1879.

PROVINCE OF NEW BRUNSWICK.

Military District No. 8,
Headquarters,
Fredericton. { *Dep. Adj. General, F Maunsell, Lt.-Col. George J.* 1st May, 1884.
(*late Capt. 15th F.*) (*l c 22nd Nov. 1863.*)
Brigade Major,
District Paymaster, 37-8 F Baird, Lt.-Col. William T., 19th January, 1869.
(*l c 1st Jan., 1863.*)
Superintendent of Stores, 1st July, 1879.

PROVINCE OF NOVA SCOTIA.

Military District No. 9,
Headquarters,
Halifax. { *Dep. Adj. General, Worsley, Lt.-Col. Pennyman W.* 23rd Oct., 1885.
(*late Capt. 60th F.*) (*l c 24th Oct., 1873.*)
Brigade Major, MacShane, Lt.-Col. James R., 1st January, 1881.
(B.M., 1st Sept., 1875.)
(*l c 21st April, 1871.*)
District Paymaster, Murray, Bt. Lt.-Col. John Robert, 1st February, 1884.
(*l c 12th December, 1874.*)
Superintendent of Stores, 1st February, 1884.

PROVINCE OF MANITOBA, NORTH-WEST TERRITORIES AND DISTRICT OF KEEWATIN.

Military District No. 10,
Headquarters,
Winnipeg. { *Dep. Adj. General, NW Houghton, Lt.-Col. Charles Frederick (late Capt. 20th F.)* 1st April, 1881.
(D.A.G., 21st March, 1873.)
(*l c 21st March, 1873.*)
District Paymaster, NW Peebles, Hon. Lt.-Col. A. J. L. 1st Nov., 1877.
(*late Capt. 59th F.*)
Superintendent of Stores, 12th August, 1870.

PROVINCE OF BRITISH COLUMBIA.

Military District No. 11,
Headquarters,
Victoria. { *Dep. Adj. General, F Holmes, Lt.-Colonel J. G. (Acting)* 1st May, 1883.
(*l c 10th August, 1883.*)
District Paymaster, McDonell, Hon. Major Ranald John, 1st July, 1879.
(*late Lieut. 28th F.*)
Superintendent of Stores, 24th April, 1874.

PROVINCE OF PRINCE EDWARD ISLAND.

Military District No. 12,
Headquarters,
Charlottetown. { *Dep. Adj. General, Worsley, Lt.-Col. Pennyman W.* 23rd October, 1885.
(*late Capt. 60th F.*) (*Halifax*)
Brigade Major, Irving, Maj. James Douglas, 1st Apr., '85. (m 31st March, 1882.)
District Paymaster, Cropley, Major Robert A., 1st July, 1879.
(m 25th July, 1866.)
Superintendent of Stores, 10th August, 1874.

ROYAL MILITARY COLLEGE OF CANADA.

(KINGSTON, ONTARIO.)

Commandant	Oliver, Col. John Ryder (R. Art.), 16th July, 1886.
Professor of Surveying, Military Topography and Reconnaissance.....	Mayne, Major Charles Blair (Capt. R. Eng.), 16th Sept., 1886.
Professor of Mathematics, Mechanics and Artillery	Rigg, Major Robert Addison (Capt. R. Art.), 11th Dec., 1884.
Staff Adjutant.....	McGill, Lt.-Col. Sydenham, Clitherow, 1st July, 1883. (Lt.-Col. 22nd Oct., 1886.)
Professor of Fortification, Military Engineering, Geometrical Drawing and Descriptive Geometry.....	Davidson, Capt. Stuart (Lieut. R. Eng.), 1st Sept., 1886.
Professor of Military History, Administration and Law.....	Nash, Major Edward (Capt. R. Art.), 14th Aug., 1884.
Professor of Mathematics and Artillery.	Fairtlough, Lt.-Col. Samuel Gerrard (Major R. Art.), 18th July, 1878.
Instructor in Fortification, Military Engineering, Geometrical Drawing and Descriptive Geometry.....	Van Straubenzee, Capt. Arthur Hope (Lieut. R. Eng.), 7th Oct., 1886.
Assistant Instructor in Mathematics, Geometrical Drawing and Descriptive Geometry	Wurtele, Capt. Alfred George Godfrey, 3rd Feb., 1882. (Capt. 30th June, 1885.)
Assistant Instructor in Surveying, Military Topography, Physics and Chemistry	Cochrane, Capt. John Bray, 3rd Feb. 1882. (Capt. 30th June, 1885.)
Professor of English and German.....	Jones, Rev. Kearney Leonard, B.D., 1st Sept., 1884.
Professor of Freehand Drawing and Painting.....	Day, Forshaw, Esq., R.C.A., 14th March, 1879.
Professor of French.....	Duval, Arthur Duponth, Esq., M.D., 3rd April, 1879.
Professor of Civil Engineering.....	Harris, Robert Carr, Esq., C.E., 1st May, 1879.
Professor of Physics, Chemistry and Geology	Waddell, John, Esq., B.A., Ph. D., 26th Nov., 1886.
Medical Officers.....	R m Neilson, Surg. Major John Lewis H., M.D. ("B" Battery, R.C.A.), 18th June, 1880.
Paymaster	Strange, Hon. Capt. M. W. (4th Regt. Cav.), 15th Jan., 1880.

GRADUATES

OF THE ROYAL MILITARY COLLEGE OF CANADA.

NW Perry, Aylesworth Bowen.....	0 June 80	Lieut 16 July 80
Macpherson, Duncan.....	30 June 80	Lieut 16 July 80
Spelman, James.....	30 June 80	Lieut 16 July 80
NW Wise, Henry Ellison.....	30 June 80	Lieut Sco Rif
		Capt 28 Oct 84
Fairbank, Charles Oliver.....	30 June 80	Lieut 16 July 80
Davis, William Mahlon.....	30 June 80	Lieut 16 July 80
DesBrisay, Charles Albert.....	30 June 80	Lieut 16 July 80
Wurtele, Alfred George Godfrey.....	30 June 80	Capt 30 June 85
Cochrane, John Bray.....	30 June 80	Capt 30 June 85
m NW Freer, Henry Cortlandt.....	30 June 80	Lieut S Staff R
Keefer, Harold Waldorf.....	30 June 80	Lieut 16 July 80
NW Rivers, Victor Brereton.....	30 June 80	Lieut 16 July 80
NW Dixon, Francis Joseph.....	30 June 80	Lieut 16 July 80
Davis, Frederick.....	30 June 80	Lieut 16 July 80
NW Laurie, Richard Carney.....	23 Dec 80	Lieut 13 Jan 81
Van Straubenzee, Arthur Hope.....	23 Dec 80	Lieut R Eng
Ross, Alexander Bell.....	23 Dec 80	Lieut 13 Jan 81
Gibson, John Gordon.....	23 Dec 80	Lieut 13 Jan 81
Clark, John Curtis	23 Dec 80	Lieut 13 Jan 81
NW Doucet, Arthur Emile.....	23 Dec 80	Lieut 13 Jan 81
Mackay, Huntly Brodie	25 June 81	Lieut R Eng
Campbell, Herbert Montgomery.....	25 June 81	Lieut R Art
NW Coryell, John Abraham.....	25 June 81	Lieut 25 June 81
Duncomb, Wm Geo Barnstorff	25 June 81	Lieut 25 June 81
Daniel, Allan Wilmot.....	25 June 81	Lieut 25 June 81
McElhinney, William John.....	25 June 81	Lieut R Eng
		Lieut 25 June 81
Hogan, Henry Hunt.....	25 June 81	Lieut 25 June 81
Yates, Berton Wynn.....	25 June 81	Lieut 25 June 81
m NW Sears, James Walker.....	25 June 81	Lieut S Staff R
Ford, Edward.....	25 June 81	Lieut 25 June 81
Shaw, George William.....	25 June 81	Lieut 25 June 81
NW Cartwright, Robert.....	25 June 81	Lieut 25 June 81
NW Greig, William Robert.....	25 June 81	Lieut 25 June 81
NW Hubbell, Ernest Wilson.....	25 June 81	Lieut 25 June 81
Drury, Edmund Hazen.....	35 June 81	Lieut 25 June 81
Robinson, William Henry.....	27 June 82	Lieut R Eng
Latimer, Frank Herbert.....	27 June 82	Lieut 27 June 82
Skinner, Frederick St. Duthus.....	27 June 82	Lieut R. Suss. R
Duffus, Graeme Sym.....	27 June 82	Lieut R Art
Taylor, Edward Thornton.....	27 June 82	Lieut Ches R
Duff, George Mowat	27 June 82	Lieut R Eng
		Lieut 27 June 82
NW Wood, Zachary Taylor.....	27 June 82	Lieut 27 June 82
Kirkpatrick, Alexander King.....	27 June 82	Lieut 27 June 82
Greenwood, Henry Smith.....	27 June 82	Lieut 27 June 82
Wetmore, Andrew Rainsford.....	27 June 82	Lieut 27 June 82
Stairs, William Grant.....	27 June 82	Lieut R Eng
		Lieut 27 June 82
Hooper, George Robertson.....	27 June 82	Lieut 27 June 82
Hodgins, Arthur Edward.....	27 June 82	Lieut 27 June 82
NW Tomlinson, Alfred Thomas.....	27 June 82	Lieut 27 June 82
NW Ogilvie, George Hunter.....	27 June 82	Lieut 27 June 82
Wurtele, Ernest Frederick.....	27 June 82	Capt 30 July 86

Anderson, Frederick Charles.....	27 June 82	Lieut 27 June 82
Clarke, Herbert.....	27 June 82	Capt 16 Oct 85
NW Laidlaw, George Edward.....	27 June 82	Lieut 27 June 82
Stewart, William J.....	26 June 83	Lieut 26 June 83
Lang, John Irvine.....	26 June 83	Lieut R Eng
NW Leonard, Reuben Wells.....	26 June 83	Lieut 26 June 83
NW Weller, John Laing.....	26 June 83	Lieut 26 June 83
NW Casgrain, Philippe Henri DuPerron.....	26 June 83	Lieut R Eng
		Lieut 26 June 83
Kerby, Forbes Murray.....	26 June 83	Lieut 26 June 83
Gray, Phillips Eason.....	26 June 83	Lieut R Art
Van Straubenzee, Bowen William Sutton.....	26 June 83	Lt S Wales Bord
Almon, Mather Byles.....	26 June 83	Lieut 26 June 83
White, James.....	26 June 83	Lieut 26 June 83
Lambe, Laurence Morris.....	26 June 83	Lieut 26 June 83
NW Nanton, Herbert Colborne.....	26 June 83	Lieut R Eng
		Lieut 26 June 83
Campbell, Donald Colin.....	26 June 83	Lieut 26 June 83
Twining, Philip Geoffrey.....	26 June 83	Lieut R Eng
		Lieut 26 June 83
Carruthers, Wallace Bruce Matthews.....	26 June 83	Lieut 21 Hrs
NW Strange, Harry Bland.....	26 June 83	Lieut R Art
		Lieut 26 June 83
Baker, Joel A.....	26 June 83	Lieut 26 June 83
Woodman, John.....	26 June 83	Lieut 26 June 83
NW Chalmers, Thomas Wellington.....	26 June 83	Lieut 26 June 83
Neyland, Mayo Williams.....	26 June 83	Lieut 26 June 83
Joly, Alain Chartière de Lotbinière.....	26 June 83	Lieut R Eng
		Lieut 26 June 83
Benson, Thomas.....	26 June 83	Lieut 26 June 83
Evans, Arthur Thomas Kelly.....	26 June 83	Lieut 26 June 83
Carey, Herbert Clement.....	26 June 84	Lieut R Eng
Hearn, John.....	26 June 84	Lieut 26 June 84
Crawford, Frederick Lindsay.....	26 June 84	Lieut 26 June 84
Van Baskirk, William Fraser.....	26 June 84	Lieut 26 June 84
NW Cartwright, Conway Edward.....	26 June 84	Lieut 36 June 84
White, Frederick William.....	26 June 84	Lieut 26 June 84
Smith, Edward Osborne.....	26 June 84	Lieut North'n R
Sanders, Gilbert Edward.....	26 June 84	Lieut 26 June 84
Drayner, Frederic.....	18 Sept 84	Lieut 18 Sept 84
Cameron, Kenneth Boswell.....	2 Oct 84	Lieut Arg and
		Suth'd Highrs
Ridout, Dudley Howard.....	30 June 85	Lieut R Eng
Von Hugel, Norman Guy.....	30 June 85	Lieut R Eng
Moren, James Alexander.....	30 June 85	Lieut R Art
Skinner, Thomas Carlyle.....	30 June 85	Lieut R Eng
Bremner, Allan Pollock.....	30 June 85	Lieut R Eng
Tilley, William Fairbairn.....	30 June 85	Lieut R Eng
Macdonald, Arthur Cameron.....	30 June 85	Lieut 30 June 85
Amon, Charles Francklyn.....	30 June 85	Lieut R Art
Hodgins, Charles Richard.....	30 June 85	Lieut R Art
Duffus, Edward John.....	30 June 85	Lieut R Art
Primrose, Philip Carteret Hill.....	30 June 85	Lieut 30 June 85
Yorston, William Gardiner.....	29 June 86	Lieut 29 June 86
Newman, Cecil Platt.....	29 June 86	Lieut 29 June 86
Kennedy, John Nassau Chambers.....	29 June 86	Lieut R Eng
Girouard, Edward Percy Cranwill.....	29 June 86	Lieut 29 June 86
Newcomb, John Northup.....	29 June 86	Lieut 29 June 86

Countlee, Charles Robert Foran.....	29 June 86	Lieut 29 June 86
McColl, Roderick.....	29 June 86	Lieut 29 June 86
Macdonell, Archibald Cameron.....	29 June 86	
Roe, Richard Logan.....	29 June 86	Lieut 29 June 86

NOTE.—The Graduates are arranged according to standing with date of graduation placed opposite their respective names. Their militia rank and date thereof follow, except those who have elected to take commissions in Her Majesty's Regular Army—whose names are in *Italics*—when, if appointed, their army rank and corps are given.

BOARD OF VISITORS, ROYAL MILITARY COLLEGE.

President.

Powell, Col Walker, Adj.-Gen.

Members.

Colonel C S Gzowski,
Lt-Colonel Maunsell,

Lt-Colonel Montizambert,
Lt Colonel Duchesnay.

GENTLEMEN CADETS.

1883

Adams, Alexander
Bowie, George Shepherd
Clapp, Joseph Malcolm
Davis, Arthur Lowry Patrick
Gaudet, Frederic Mondelet
Jack, Robert Brydone
Macdonald, Reginald James
Morrow, Harold A
Van Straubenzee, Casimir Cartwright

1884

Barker, Frederick Edward Lloyd
Bremner, Arthur Grant
Cayley, Arthur Macaulay
Crawford, Arthur Louis
Farwell, Charles Bowers
Grant, William Wright
Gunn, James Alexander
Henecker, William Charles Giffard
Johnston, George Napier
Johnston, Henry Wentworth
Joly, Henry Gustave
Knight, Merle Shafto
Lesslie, William Breck
Mackay, James Drummond
Murphy, Martin Joseph
Mylne, John Mallock
Mackenzie, Alexander
Panet, Alphonse Eugène

1885

Armstrong, Bennett Hornsby
Baker, Godfrey Hugh Massy
Benn, Francis Hamilton
Birmingham, Christopher William
Fraser, Basil Hall
Gilmore, Edward Theodore Barclay
Hamilton, William Allardice
Howard, John Chester

Hudon, Marie Leo Edmond
Kerr, William Archibald Hastings
Macaulay, William Kirby Young
Murray, Charles Grant
McLennan, Bartlett
O'Brian, Donald
Patteson, Godfrey Barkworth
Ritchie, Hazen
Rogers, Henry Schofield
Rose, William Herchmer
Simpson, Robert William
Smart, John Alder Newton
Strickland, D'Arcy Edward
Whitehead, Edward Ashworth
Williams, Herbert Henry

1886

Amos, Louis Joseph Auguste
Anderson, Frederick
Barlee, George Toker
Brock, Reinald Arthur
Browne, Thomas Hay
Campbell, Harold Benjamin Donald
Cleghorn, Andrew Taylor
Cooke, William Edward
Dobell, Charles Macpherson
Domville, James William
Emery, Frank Bouchier
Fleming, Walter Arthur
Hampson, Robert
Houlston, John
Jones, Frank Percy
Leckie, Robert Edwards
Matheson, Arthur John
Morris, Edmund Merritt
Morris, Robert Cochran
McDougall, Edgar Mill
McDowell, John Sidney
Newman, Percy James
Rose, George Gildersleeve
Williams, Leopold Trefussis Wells

SENIORITY LIST.

GENERAL OFFICER.

m, NW Middleton, Sir Frederick Dobson, KCMG, C B, Commanding the Militia of the Dominion. Major-General in Army. 12 July 84

COLONELS.

1873		1886	
Powell, Walker, Adj-General	23 Aug	Panet, Charles E, Dep'y Minister of Militia and Defence	28 Apr
1879		Bergin, Darby, Surg Gen	28 Apr
Gzowski, Casimir S., Hon. Aide-de-Camp to the Queen	24 May		

LIEUTENANT-COLONELS.

1857		NW LaMontagne E, D A G	15 Mar
37-8, F Boulton, D'Arcy E, 3 Reg Cav	26 Nov	Bog, Thomas, 16 Batt	15 Mar
		F Bacon, Thomas	22 Nov

1863		1869	
37-8, F Baird, William T, Dist Staff	1 Jan	de Lotbinière-Harwood, A C, D A G	1 Jan
F, N W Jackson, William H, DAG	4 Sept	d'Orsonnens, G d'Odét, Commdt "B" Co. Inf. Sch. C.	19 Feb
		Massicotte, N P, 70 Batt	16 Oct

1864		1870	
m F Taylor, John B, Commdt Sch. Mtd. Inf.	12 May	F Bond, Frank, 1 Batt	12 Aug
Starratt, W E, 69 Batt	10 July	Beer, Edwin B, 74 Batt	17 Oct
Chipman, L De V, 68 Batt	2 Sept		

1865		1871	
Bernard, Hewitt, C M G, A D C	13 Apr	MacShane, James R, Brig Maj	21 Apr
F Maunsell, George J, Commdt "A" Co Inf. Sch. C., DAG	22 Nov	Raymond, Charles W, 67 Batt	15 May
Macpherson, John, Dir of Stores	25 Nov	F Clarke, Charles, 30 Batt	28 June
		Rowe, Charles S, 63 Batt	28 June
		F Cole, William H, 41 Batt	28 June
		Coleman, Timothy T, 33 Batt	14 Sept
		Belcher, William H, 68 Batt	28 Sept
		Marsh, John L, 71 Batt	3 Nov

1866		1872	
Forsyth, Joseph B, Q O C Hus	13 Sept	Kirkpatrick, George A, 47 Batt	5 Apr
F, NW Denison, George, T, G G B G Ont	13 Sept	Brown, John, 77 Batt	23 May
F Villiers, Henry V, D A G	13 Sept	Cole, John, 1 Reg Cav	31 May
37-8, F Rogers, Robert, 51 Batt	14 Sept	Lydiard, Henry W, 68 Batt	20 June
Aylmer, Rt Hon, Udolphus, Lord	54 Batt	F Brodie, George, 31 Batt	24 Oct
Davis, Robert, H, 37 Batt	28 Sept		
Cubitt, Frederic, 45 Batt	16 Nov		
F Brown, James, 49 Batt,	30 Nov		

1867		1873	
F Stevenson, A A, Mont F B	15 Mar	Parker, Benjamin H, 72 Batt	14 Feb
Duchessnay, Theodore J, D A G	15 Mar	NW Houghton, Charles F, D A G	21 Mar

Duff, John, 4 Reg Cav	26 June	Benson, Frederic A, 46 Batt	11 Jan
Worsley, Pennyman W, D A G	24 Oct	White, William, 43 Batt	25 Jan
		NW Montizambert, Charles E, Comdt "B" Battery R C A	8 Feb
1874		Grav. F Wood, Q O C Hus	8 Mar
NW Deacon, James, 45 Batt	12 Mar	NW Amyot, Guillaume, 9 Batt	5 Apr
Hudon, Louis E, 89 Batt	9 Apr	Rogers, Henry C, 3 Reg Cav	3 May
Martin, Edouard O, 89 Batt	9 Apr	Gwyn, Herbert C, 77 Batt	23 May
F, NW Turabull, James F, Cav Sch C	28 May	Taylor, John H, 5 Reg Cav	23 May
F, NW Otter, William D, Comdt "C" Co Inf Sch C, D A G,	4 June	F, R, NW Macdonald, Donald A	25 May
Kennedy, William, Mont Eng	25 June	Cotton, William H, Commandant "A" Batt R C A	1 June
F, NW O'Brien, William E, 35 Batt	4 Aug	Morin, James, 44 Batt	7 June
St Arnaud, Napoléon, 70 Batt	16 Oct	English, John, 26 Batt	14 June
Trudel, Philippe, 70 Batt	16 Oct	Henderson, Lawrence H, 15 Batt	18 June
NW Macdonald, Charles J, 66 Batt	31 Oct	Hespeler, George, 29 Batt	19 June
Murray, John R, Dist Staff	12 Dec	de Foy, Edouard, 80 Batt	22 June
		F, NW Roy, Thomas A H, 9 Batt	20 Sept
1875		Hogg, John, Collingwood G A	20 Dec
Thompson, Edward H, 19 Batt	24 Apr		
Irwin, De la Cherois T (Insp of Art, Comdt Regt Canadian Arty)	14 May	1878	
O'Malley, Charles A, 26 Batt	21 May	NW Evanturel, Arthur, 9 Batt	13 Mar
37-8, F Hall, Calvin L, 52 Batt	14 Sept	F Mattice, Gregor, Brig Major	26 Dec
Hewett, Edward O, C M G	16 Sept		
		1879	
1876		Mackintosh, John D, 63 Batt	27 June
Sheppard, John J, 83 Batt	13 Jan	de Bellefeuille, Charles L, Dist Staff	1 July
Rogers, James Z, 57 Batt	4 May		
NW Van Straubenzee, Bowen D A G	6 May	1880	
Lazier, Samuel S, 15 Batt	15 June	NW Ouimet, Joseph Aldéric, 65 Batt	16 Jan
Boulter, George H, 49 Batt	15 June	O'Donovan, Michael, 34 Batt	24 Mar
Boyd, John, 31 Batt	6 July	Mowbray, Thomas, 1 Halifax Brig G A	17 Apr
Cushing, James B, 11 Batt	13 July	Kaulbach, Charles Edwin, 75 Batt	4 June
Gilmour, Arthur H, 60 Batt	4 Aug	Brosseau, Julien, 85 Batt	4 June
Pope, Frederick M, 58 Batt	10 Aug	Duchessnay, Henri, J J, 23 Batt	2 July
Rogers, Robert Z, 40 Batt	17 Aug	Butterfield, John, 18 Batt	3 Sept
NW Tyrwhitt, Richard, 36 Batt	17 Aug	F, NW Grasett, Henry James, 10 Batt	5 Nov
Blaine, Arbathnot, 62 Batt	8 Sept	Cox, Thomas Henry, 79 Batt	17 Dec
Dawson, Melville De B, Dist Staff	5 Oct		
Crawford, John M, 3 Batt	5 Oct	1881	
F Amyrauld, Theophile, Shefford F B	12 Oct	Cooper, James Graham, 32 Batt	11 Feb
Bingham, William, 94 Batt	13 Oct	Laurin, Victor de L, 87 Batt	27 May
Aylmer, Hon Matthew, Brig Maj	13 Oct	Jones, Charles S, 38 Batt	3 June
Gibson, John M, 13 Batt	13 Oct	F, NW Oswald, William R, Mont Gar Art	24 June
F Graveley, John V, 40 Batt	26 Oct	Domville, James, 8 Reg Cav	2 July
Allan, William, 20 Batt	16 Nov	Macdonald, Archd H, 1 Pr Br F Art	25 Nov
Blair, William M, 78 Batt	7 Dec		
		1882	
1877		F Felton, Edward Pellew, 53 Batt	17 Mar
Telford, James P, 31 Batt	11 Jan	NW Fraser, Achilles, 88 Batt	29 Sept

1883		McKnight, Richard S, 28 Batt	6 Feb
Beandry, Arthur, 81 Batt	9 Feb	F Thompson, William C, 39 Batt	6 Feb
F Campbell, Reuben O, 56 Batt	9 Mar	Munro, James, 22 Batt	27 Feb
Fisher, Charles E H, 27 Batt	9 Mar	Dame, Augustus F, 86 Batt	27 Feb
Gregory, John J, 2 Reg Cav	8 June	Bredin, James H, 59 Batt	5 Apr
F Holmes, Josiah G, <i>Comdt "C"</i> Batt		NW Mackeand, Alfred, 90 Batt	3 May
R C A	10 Aug	Harrison, Matthew B, 93 Batt	12 June
1884		Genest, Louis C, 92 Batt	12 June
R Taschereau, Joseph E M, Brig Maj		McCulley, Samuel U, 73 Batt	12 June
	29 Feb	Wilkinson, John R, 21 Batt	12 June
F, NW Miller, Albert A, 2 Batt	29 Feb	Armstrong, John R, New Brunsk G	22 Nov
m Lewis, Joseph W, Brig Maj	29 Feb		
NW Hughes, George E A, Brig Maj			
	14 Mar		
Desjardins, Louis G, 17 Batt	30 May		
NW Williams, Walter M DeR, 7 Batt			
	18 July		
F, R, m Denison, Frederick C, C M G,			
G G B G	9 Sept		
R Barr, James, 6 Reg Cav	12 Sept		
Ward, William J, 55 Batt	17 Oct		
Campbell, Bruce F, 84 Batt	14 Nov		
Caverhill, Frank, 5 Batt	14 Nov		
1885			
Landry, Philippe, 61 Batt	9 Jan		
F Peters, John, London F B	4 Feb		
Call, Robert R, Newcastle F B	4 Feb		
F Gray, John, Toronto F B	4 Feb		
F McKenzie, William, Gananoque F B	4 Feb		

"Temporary" Appointment:

Powell, Israel Wood, Ind Com B. C., 23 May 73

Gilkison, Jasper J, Ind Com Ont 8 May 74

MAJORS.

1864		Smith, James, 11 Batt	12 Oct
Brecken, Perez M, 68 Batt	21 Sept	Gardner, Isaac, 50 Batt	16 Nov
1865			
F Drumm, William, St John's G A	19 May		
1866			
Cropley, Robert A, Dist Staff	25 July		
Harris, De Lancy, 69 Batt	15 Sept		
1867			
Farmer, Richard, N B. Bde G A	27 Feb		
Mackenzie, Roderick, 78 Batt	16 July		
1869			
Mabon, Ralph, 82 Batt	27 Aug		
1871			
Otty, Robert William, 8 Reg Cav	4 Jan		
Williamson, George, 54 Batt	16 Mar		
Lucas, Richard, 51 Batt	11 July		
Johnston, Robert, 50 Batt	11 July		
Currie, R, 2 Reg Cav	31 Aug		
Spurr, Shippy, 72 Batt	28 Sept		
Cantwell, Frank A, 51 Batt	12 Oct		
Cairns, Joseph, 50 Batt	12 Oct		

McKnight, Richard S, 28 Batt	6 Feb
F Thompson, William C, 39 Batt	6 Feb
Munro, James, 22 Batt	27 Feb
Dame, Augustus F, 86 Batt	27 Feb
Bredin, James H, 59 Batt	5 Apr
NW Mackeand, Alfred, 90 Batt	3 May
Harrison, Matthew B, 93 Batt	12 June
Genest, Louis C, 92 Batt	12 June
McCulley, Samuel U, 73 Batt	12 June
Wilkinson, John R, 21 Batt	12 June
Armstrong, John R, New Brunsk G	22 Nov

1886

NW Smith, Henry R, 14 Batt	29 Jan
Martin, Matthew, 24 Batt	4 Feb
Massey, Frederic, 6 Batt	12 Feb
Beandreau, Joseph, 76 Batt	4 Feb
Miller, Henry J, 8 Batt	31 Mar
Wolfenden, Richard, B C Brig G A	7 May
NW Wayling, James, 12 Batt	21 May
Poitrass, Lucius, 64 Batt	18 June
Matheson, Arthur J, 42 Batt	18 June
Macpherson, James P, G G F G	16 Sept
McGill, Sydenham C, Staff Adj R M C	22 Oct
Dogherty, Francis, 82 Batt	22 Oct

Genest, Louis, 87 Batt	7 May	Gordon, Wm Dunlop, Inf School	27 June
Purdy, Elijah F, 82 Batt	26 May		
Staples, Jeremiah, 71 Batt	28 May	Maynes, James, 79 Batt	19 July
Stowe-Wainwright, W R,	9 June		
Hunter, George, 47 Batt	22 June		
McFee, John, 51 Batt	10 Sept		
R Bernard, Edward S, 54 Batt	10 Sept		
R m Cooke, Henry, 33 Batt	10 Sept		
Stewart, George, 1 Reg Cav	10 Sept		
McLaren, William S, 50 Batt	10 Sept		
Vince, D McLeod, Brighton Eng Co	10 Sept		
McLaren, Archibald, 50 Batt	22 Sept		
Alexander, Thomas L, 71 Batt	27 Sept		
Harris, Thomas R, 67 Batt	8 Oct		
1875			
F Moore, Alex H, 13 Batt	20 Jan		
Carmichael, Andrew, 56 Batt	14 Apr		
F Westover, David, 60 Batt	25 May		
Baker, Louis R, 64 Batt	16 July		
Checkley, John B, 56 Batt	12 Aug		
Ramage, James D, 58 Batt	28 Sept		
F, NW Dingwall, Roderick, 46 Batt	5 Oct		
1876			
NW Frenette, Louis E, 9 Batt	27 Jan		
Hunter, Oswald, 55 Batt	10 Feb		
Thompson, William, 55 Batt	1 Mar		
McAuley, Malcolm, 58 Batt	19 May		
Purcell, William A, 1 Hax B G A	19 May		
Beckwith, Adolphus G, 71 Batt	11 July		
Brunet, Zénophile, 87 Batt	31 Aug		
Sixby, Horatio N, 60 Batt	1 Sept		
Ellis, Richard Y, 22 Batt	13 Sept		
37-5 Wilson, Joseph, S St Mar Art	24 Nov		
1877			
Turcot, Louis, 76 Batt	22 Mar		
Jalbert, Thomas, 53 Batt	23 May		
NW Barnet, Peter, 35 Batt	23 May		
Paterson, Norman F, 34 Batt	25 May		
Elliott, James, 2 Reg Cav	14 June		
Peters, Fredk W, 1 Reg Cav	14 June		
Giroux, Charles H, 80 Batt	22 June		
Demers, Adjutor E, 17 Batt	12 July		
Spooner, Charles N, 47 Batt	12 July		
Weatherley, Henry S, G G F G	12 Sept		
Walsh, John, 43 Batt	20 Sept		
1878			
NW Hughes, John, 4 Batt	24 Jan		
McDonald, Wm M, Q O C Hus	28 Jan		
Carlisle, George C, 19 Batt	12 Feb		
Bell, Robert W, 57 Batt	14 Feb		
NW Short, Charles J, "B" Batt'y	25 Apr		
R C A			

Maynes, James, 79 Batt	19 July
1879	
Faulds, William, 25 Batt	12 Dec
1880	
Foucher, Joseph Ulric, 83 Batt	30 Jan
Tremblay, W Joseph, 88 Batt	9 Apr
Davidson, Charles Peers, 3 Batt	23 Apr
NW Dugas, Calixte Aimé, 65 Batt	23 Apr
Grover, Thomas Maitland, 57 Batt	7 May
Savage, John, 27 Batt	4 June
NW Walsh, Thomas Joseph, 63 Batt	20 Aug
NW Dawson, George Dudley, 10 Batt	16 Dec
1881	
Galbraith, Joseph, 79 Batt	8 Apr
Nott, John F, 1 Batt	29 Apr
Dorion, Napoléon, 87 Batt	4 Mar
White, Humphrey A L, 28 Batt	19 May
Biggar, John, 32 Batt	3 June
Ballachey, John, 38 Batt	3 June
F, NW Dunn, Orlando, G G B G	3 June
Fiset, Michel, 87 Batt	24 June
Markham, Alfred, 8 Reg Cav	2 July
Kerns, William, 20 Batt	19 Aug
Tilton, John, G G F G	14 Oct
Blaiklok, William M, 5 Batt	28 Oct
Burgess, Joseph, 78 Batt	16 Dec
1882	
Farewell, John Edwin, 34 Batt	3 Feb
Carpenter, Franklin M, 77 Batt	17 Mar
m Vidal, Beaufort Henry, Inf Sch C	17 Mar
Irving, James Douglass, Brig Major	31 Mar
Jackson, David English, 41 Batt	28 Apr
Arnold, Oliver Roswell, 74 Batt	12 May
NW Atkinson, Thos, Mont Gar Art	12 May
Morehouse, William Alexander, 53 Batt	12 May
Rowe, Conrad D, 24 Batt	18 June
Aubry, Alphonse D, 85 Batt	28 June
Hudon, Ls Denis, 89 Batt	28 June
Anderson, William P, 43 Batt	28 July
NW Smith, Henry, Inf Sch C	11 Aug
Denis, Alphonse, 84 Batt	19 Sept
Coombes, Harry Lovell, 39 Batt	3 Oct
F, NW Graham, William J, 35 Batt	1 Dec

1883

Irwin, John, 26 Batt 1 Mar
 Cole, Caleb S, 69 Batt 2 Mar
 Baillie, William M, 47 Batt 10 May
 F Fidler, Robert Potts, 49 Batt 30 May
 Dibblee, Fred H J, Woodstock F B 31 May
 Lindsay, Crawford W A, Quebec F B 31 May
 Nicoll, William, 1 Pr Br F Art 31 May
 McLean, William, Durham F B 31 May
 King, Frank, Welland Can F B 31 May
 F Hood, George Bruce, 1 Pr Br F A 31 May
 Stewart, John, Ottawa F B 1 June
 Van Wagner, Henry P, Hamilton F B 2 June
 Black, J Albert, 93 Batt 13 June
 Tucker, Joseph John, 62 Batt 13 June
 Marshall, William, 2 Reg Cav 22 June
 Cunningham, John R, 16 Batt 22 June
 Dussault, Isaac, 81 Batt 22 June
 Perkins, Calvin, 52 Batt 25 June
 Baird, John D, 67 Batt 6 July
 Egan, Thomas J, 63 Batt 20 July
 Lemieux, Edward, 61 Batt 1 Aug
 m Wilson, James F, R C A 10 Aug
 F, NW Allan, Daniel Hugh, 2 Batt 31 Aug
 NW Street, George W 14 Sept
 F Lindsay, William H, 25 Batt 9 Nov
 Harrison, Arthur B, 10 Batt 9 Nov

1884

Hamilton, Robert B, 2 Batt 29 Feb
 Appelbe, William P, 20 Batt 2 May
 Orchard, William H, 16 Batt 2 May
 Humphrey, William M, 66 Batt 30 May
 NW Smith, Albert M, 7 Batt 30 May
 Beaumont, Ernest J, 29 Batt 30 May
 Turnbull, Thomas T, Mont G A 7 June
 Paradis, Louis, 23 Batt 12 June
 Hoy, William, 11 Batt 13 June
 Knight, Archibald, 4 Reg Cav 19 June
 Hewton, Robert, 47 Batt 19 June
 F Lloyd, Thomas H, 12 Batt 27 June
 NW Gartshore, William M, 7 Batt 18 July
 Hartley, Amos D, 67 Batt 19 July
 Henshaw, Frederick C, 3 Batt 2 Oct
 Butler, Thomas P, 1 Batt 3 Oct
 NW Boswell, Charles M, 90 Batt 17 Oct
 "Provisional" or "Acting" Appointments:
 Leckie, Robert Gilmour, 53 Batt 12 May 82
 Guillot, James C, 21 Batt 12 June 85

1885

McCorkill, John C, 5 Batt 9 Jan
 Dostaler, Martin D'A, 83 Batt 6 Feb
 Lyman, Henry H, 5 Batt 6 Feb
 NW Ward, James, 35 Batt 12 Mar
 Power, Joseph W, 14 Batt 1 Apr
 McLaren, Henry, 13 Batt 9 Apr
 Hamilton, John R, 28 Batt 10 Apr
 Mooney, George A, 6 Batt 10 Apr
 NW Forrest, Christopher F, 90 Batt 3 May
 Kaitting, John, 20 Batt 14 May
 NW Kelly, Thomas, 47 Batt 21 May
 NW Todd, Alfred H, G G F G 21 May
 F, NW Harrison, Edward, 49 Batt 29 May
 Beattie, Joseph H, 27 Batt 29 May
 Boyd, Benjamin B, 32 Batt 29 May
 Porter, George H, 55 Batt 25 June
 Davey, John R, 59 Batt 10 July
 Deslauriers, Joseph, 64 Batt 16 July
 Light, Alfred T, 59 Batt 24 July
 NW Buchan, Lawrence, Sch Mtd Inf 15 Aug
 F Loveys, William, 22 Batt 3 Sept
 Bignell, J George, 23 Batt 4 Sept
 White, William W, 30 Batt 15 Sept
 Mutrie, John, 30 Batt 15 Sept
 Hill, Charles W, 94 Batt 18 Sept
 Jackson, Peter, 85 Batt 18 Sept
 McLean, Hugh H, 62 Batt 2 Oct
 Raney, John, Prescott Cav 5 Nov
 1886
 Chouinard, Mathias, 9 Batt 28 Jan
 Gray, John, 6 Batt 12 Feb
 Curren, Arthur E, 66 Batt 25 Feb
 Armstrong, Andrew J, N B Brig G A 5 Apr
 Stardee, Edward T, 62 Batt 5 May
 NW Laurie, Walter H, Montreal Brig G A 18 June
 D'Amour, Charles, 76 Batt 18 June
 Leslie, Edward, 36 Batt 16 July
 Barker, Peter McG, 36 Batt 16 July
 Prior, Edward G, B C Brig G A 16 July
 Baird, John M, 74 Batt 30 July
 Shepard, Charles W, 5 Reg Cav 30 July
 Shaffner, Caleb W, 72 Batt 27 Aug
 Denhardt, David S, 24 Batt 27 Aug
 NW Coutlee, Louis W P, Winnipeg F B 5 Nov
 Rothwell, Burrows H, 38 Batt 5 Nov
 Hawley, John A, 60 Batt 10 Nov
 McLennan, Roderick R, 59 Batt 24 July 84
 Ray, Samuel W, Algoma Prov Batt 10 Dec 86

ACTIVE MILITIA.

PERMANENT CORPS.

CAVALRY SCHOOL CORPS.

QUEBEC.

Commandant

F, NW Turnbull, Lt-Col James F 21 Dec 83
 (l c 28 May 74)

Lieutenants

NW Heward, Edward Hampden Turner 21 Dec 83
 2 May 79
 NW Lessard, François Louis 11 June 84
 30 June 81

REGIMENT OF CANADIAN ARTILLERY.

Lieut-Colonel Commanding

Irwin, De la CT 10 Aug 83
 (l c 14 May 75)

Lieut-Colonels

NW Montizambert, Charles E 1 Aug 82
 8 Feb 77
 Cotton, William Henry 1 Aug 82
 1 June 77

F Holmes, Josiah Greenwood 10 Aug 83

Majors

NW Short, Charles John 1 Aug 82
 25 Apr 78
 m Wilson, James Frederick 10 Aug 83

Lieutenants

NW Peters, James 10 July 74
 (capt 6 May 78)
 F Fraser, John 24 Oct 76
 (m 19 April 72)
 NW Drury, Charles William 23 Feb 77
 (capt 6 Feb 81)
 NW Farley, Alfred A 23 May 82
 (capt 31 Mar 81)
 NW Rutherford, Robert William 10 Aug 83
 (capt 22 June 83)
 NW Rivers, Victor Brereton 10 Aug 83
 16 July 80
 NW Hudon, Joseph A G 10 Aug 83
 26 Nov 80

Benson, Thomas 21 Aug 83
 26 June 83
 Fages, John Archibald 14 Dec 83
 (capt 22 June 83)
 NW Ogilvie, George Hunter 29 Oct 85
 27 June 82
 NW Pelletier, Oscar Charles Casgrain 29 Oct 85
 (prov) 18 Apr 84

Paymaster

Strange, Maxwell William 15 Jan 80
 (hon capt 13 Oct 76)

Quartermasters

F Fraser, John 19 March 86
 (m 19 Apr 72)
 NW Imlah, William Edward 19 March 86
 (hon capt 19 March 86)

Surgeons

R, m Neilson, John Lewis Hubert 3 Nov 71
 (sur m 8 April 81)
 F Sewell, Colin Charles, M D 16 Dec 81

SCHOOL OF MOUNTED INFANTRY.

Commandant

F, m Taylor, Lt-Col John Barton 20 July 85
 (l c 12 May 64)

Captain

NW Buchan, Lawrence 15 Aug 85
 (m 15 Aug 85)

Lieutenants

NW Drolet, Joseph Charles Gaspard 29 Oct 85
 (prov) (capt 14 March 84)
 NW Oswald, James Kidd (prov) 29 Oct 85

Surgeon

R Codd, Alfred 15 Aug 85

INFANTRY SCHOOL CORPS

Commandants Schools of Infantry

F Maunsell, Lt-Col George J 21 Dec 83
 (l c 22 Nov 65)

d'Orsonnens, Lt.-Col Gustave d'Odet	21 Dec 83	Young, David Douglas	21 Dec 83
(l c 19 Feb 69)			27 Nov 82
F, NW Otter, Lt.-Col William Dillon	21 Dec 83	Hemming, Thomas D R	21 Dec 83
(l c 4 June 74)			27 Nov 83
<i>Captains</i>		NW Wadmore, Robinson Lyndhurst	21 Dec 83
Gordon, Major William Dunlop	21 Dec 83		27 Nov 83
(m 27 June 78)		MacDougall, James Charles	29 Oct 85
m Vidal, Major Beaufort Henry	21 Dec 83	(capt 1 June 83)	
(m 17 Mar 82)		NW Cartwright, Robert	29 Oct 85
NW Smith, Major Henry	21 Dec 83		25 June 81
(m 11 Aug 82)		NW Bremner, James Alexander	29 Oct 85
<i>Lieutenants</i>			(capt 15 May 85)
Coursol, Capt Charles J Q	21 Dec 83	NW Chinic, Edmond (prov)	29 Oct 85
(capt 29 April 81)		<i>Surgeons</i>	
m, NW Freer, Henry Cortlandt	21 Dec 83	NW Strange, Frederick William, M D	21 Dec 83
(S Staff R)	16 July 80		13 Jan 81
m NW Sears, James Walker (Staff R)	21 Dec 83	F Campbell, Francis Wayland, M D	21 Dec 83
	25 June 81		(sur m 5 Oct 86)
		Brown, T Clowes, M D	21 Dec 83
			22 Apr 80

STATIONS OF OFFICERS.

SCHOOL OF CAVALRY, QUEBEC.

Commandt. Turnbull, Lt-Col J F	Lieut..... Peters, Capt J
Lieut..... Heward, E H T	" Farley, Capt A A
" Lessard, F L	" Rutherford, Capt R W
	" Fages, Capt J A
	" Pelletier, O C C
	Surgeon... Sewell, C C, M D
	Paym.... Strange, M W
	Q.-M..... Imlah, Hon Capt W E

REGIMENT OF CANADIAN ARTILLERY.

Lt-Col. Commanding

Irvin, De la C T., Ottawa.

"A" BATTERY, KINGSTON.

Commandt. Cotton, Lt-Col W H	Lieut.....
Major..... Wilson, J F	" Fraser, Major J
	" Drury, Capt C W
	" Rivers, V B
	" Hudon, J A G
	" Benson, T
	" Ogilvie, G A
Surgeon.... Neilson, J L H	
Q.-M..... Fraser, Major J	

"B" BATTERY, QUEBEC.

Commandt. Montizambert, Lt-Col C E
Major..... Short, C. J.

SCHOOL OF MOUNTED INFANTRY, WINNIPEG.

Commandt. Taylor, Lt-Col J B.
Capt..... Buchan, Major L
Lieut.....
" Drolet, Capt J C G
" Oswald, J K
Surgeon... Codd, A, M D

INFANTRY SCHOOL CORPS,

"A" COMPANY, FREDERICTON, N.B.
Commandt. Maunsell, Lt-Col G J
Capt..... Gordon, Major W D
Lieut..... Young, D D
" Hemming, T D R
" Bremner, Capt J A
Surgeon. Brown, T C, M D

"B" COMPANY, ST JOHN'S, Q.

Commandt. d'Orsonnens, Lt-Col G d'O
Capt.... Vidal, Major B H
Lieut... Coursol, Capt C J Q
" Freer, H C
" Chinic, E
Surgeon. Campbell, Sur Maj F W, M D

"C" COMPANY, TORONTO, ONT.

Commandt. Otter, Lt-Col W D
Capt... Smith, Major H
Lieut... Sears, J W
" Wadmore, R L
" MacDougall, Capt J C
" Cartwright, R
Surgeon. Strange, F W, M D

CAVALRY.

THE GOVERNOR-GENERAL'S BODY GUARD FOR ONTARIO.

Motto—"Nulli Secundus"

M D No 2—5th Brig Divn
Toronto

(Organized G O 27 Dec 55)

Major Commanding

F, NW Denison, George T (c c 1st)
5 May 76
(l c 13 Sept 66)

Captains

F, R, m Denison, Fred Chs, C M G
(c c 1st)
1 Mar 72
(l c 9 Sept 84)

F, NW Dunn, Orlando (c a 1st)
5 May 76
(m 3 June 81)

Lieutenants

NW Merritt, William Hamilton (c c 1st)
16 May 84
NW Fleming, Frank Andrew (m s 2nd)
21 Aug 85

2nd Lieutenant

NW Browning, Thomas Blair (prov)
18 July 84
Dickson, Robert Casimir (prov)
22 Oct 86

Adjutant

F, NW Denison, Clarence Alfred Kinsey
(c c 1st, g s 1st)
9 Mar 83
(capt 9 Mar 83)

Quartermaster

F Sloan, John
9 Mar 83

Surgeon

Veterinary Surgeon
Bond, John Pratt
5 Sept 79

1ST REGIMENT OF CAVALRY.

M D No 1—1st Brig Divn
London

(Organized G O 31 May 72)

Lieutenant-Colonel

Cole, John (c c 1st)
31 May 72

Major

No 1 Troop, St Thomas

Borbridge, Henry (prov)
28 Oct 81
(prov) 18 Feb 70

Lieutenant

2nd Lieutenant
Peel, Frederick A H (g s 3rd)
8 Apr 81
No 2 Troop, London

Captain

Peters, Frederick William (c c 1st)
14 June 72
(m 14 June 77)

Lieutenant

Stothers, James Baker (prov)
10 June 81

2nd Lieutenant

No 3 Troop, Mooretown
Captain
Stewart, George (v b 1st)
13 Sept 71
(m 10 Sept 74)

Lieutenant

Cunningham, Duncan (v b 1st)
13 Sept 71
10 Sept 69

2nd Lieutenant

Fisher, Henry (prov)
12 July 72
No 4 Troop, Kingsville

Captain

<i>Lieutenant</i>	
.....	
<i>2nd Lieutenant</i>	
Wigle, Horace (prov)	17 May 78
<i>Paymaster</i>	
.....	
<i>Adjutant</i>	
Nevile, Cavendish (c c 1st)	31 May 72
(capt 22 Dec 83)	
<i>Quartermaster</i>	
Higgins, jr, Benjamin	1 Oct 75
(2d lt 14 June 72)	
<i>Surgeon</i>	
King, Sidney A, M D	31 May 72
<i>Veterinary Surgeon</i>	
Wilson, James A	31 May 72

2ND REGIMENT OF CAVALRY.

M D No 2—3rd Brig Divn	
Oak Ridges	
(Organized G O 10 May 72)	
<i>Lieutenant-Colonel</i>	
Gregory, John Johnson (c c 1st)	8 June 83
<i>Majors</i>	
Elliott, James (c c 1st)	22 June 83
	10 June 77
Marhsall, William (c c 1st)	22 June 83
No 1 Troop, St Catharines	
<i>Captain</i>	
Gregory, Roland Wilson (c c 1st)	8 June 80
<i>Lieutenant</i>	
Lutz, Oscar Henry (c c 1st)	1 June 83
<i>2nd Lieutenant</i>	
Bessey, Leonard Seymour (prov)	2 Oct 85
No 2 Troop, Oak Ridges	
<i>Captain</i>	
McConnell, Jas (c c 1st)	24 April 74
<i>Lieutenant</i>	
Elliott, Robert (c c 1st)	20 July 83
<i>2nd Lieutenant</i>	
Hamill, John Davidson (prov)	2 Oct 85
No 3 Troop, Markham	
<i>Captain</i>	
Button, John Reynolds (c c 1st)	22 June 83
<i>Lieutenant</i>	
Button, Francis (c c 1st)	10 May 72

<i>2nd Lieutenant</i>	
Brown, John (c c 1st)	6 July 83
No 4 Troop, Grimsby	
<i>Captain</i>	
Burch, Francis O (c c 1st)	11 May 83
<i>Lieutenant</i>	
McCollum, William G (s c 1st B)	21 Aug 85
<i>2nd Lieutenant</i>	
Teeter, Alfred (prov)	12 Sept 73
No 5 Troop, Burford	
<i>Captain</i>	
Jones, Thomas Lloyd (c c 1st)	22 June 83
<i>Lieutenant</i>	
Muir, Robert Cuthbertson (c c 3rd)	8 Feb 84
<i>2nd Lieutenant</i>	
Fraser, John Z (s c 1st B)	29 May 85
No 6 Troop, Queenston	
<i>Captain</i>	
.....	
<i>Lieutenant</i>	
Servos, Alexander, (prov)	10 May 72
<i>2nd Lieutenant</i>	
Sheppard, James (m s 2nd, s c 1st)	5 Sept 79
No 8 Troop, Welland	
<i>Captain</i>	
Buchner, William (m s 2nd)	7 June 72
<i>Lieutenant</i>	
Gilchriese, James Alexander (prov)	12 May 82
<i>2nd Lieutenant</i>	
Buchner, John Lemon (prov)	2 Oct 85
<i>Paymaster</i>	
Currie, R	10 May 72
(m 31 Aug 71)	
<i>Adjutant</i>	
F, NW Baldwin, James Buchanan	17 Sept 86
(s c 1st)	(capt 17 Sept 86)
<i>Quartermaster</i>	
Serpell, William Henry	10 May 72
(hon capt 6 July 82)	
<i>Surgeon</i>	
F De La Hooke, James Acland	10 May 72
(sur m 11 July 79)	

<i>Assistant Surgeon</i>	
Warren, George Milton, M D	12 Sept 81
<i>Veterinary Surgeon</i>	
Elliott, Charles	10 May 72

3RD PROVISIONAL REGIMENT OF CAVALRY.

"THE PRINCE OF WALES' CANADIAN DRAGOONS."

M D No 3—6th Brig Divn	
Cobourg	
(Organized G O 30 April 75)	
<i>Major Commanding</i>	
37.8, F Boulton, D'Arcy Edward (c c 1st)	30 April 75
(l c 26 Nov 57)	
No 1 Troop, Cobourg	
<i>Captain</i>	
Brown, William Walter (prov) (s c 1st B)	10 Dec 86
<i>Lieutenant</i>	
Philp, Edgar Ernest (prov) (s c 2nd B)	10 Dec 86
<i>2nd Lieutenant</i>	
Cochrane, Wallace (prov) (s c 2nd B)	10 Dec 86
No 2 Troop, Millbrook	
<i>Captain</i>	
Weller, Henry Boucher (c c 1st)	31 Aug 83
<i>Lieutenant</i>	
.....	
<i>2nd Lieutenant</i>	
Sutton, David (c c 1st B)	14 Sept 85
No 3 Troop, Peterborough	
<i>Captain</i>	
Rogers, Henry C (v b 1st)	23 May 72
(l c 3 May 77)	
<i>Lieutenant</i>	
Morrow, R A (prov)	7 June 72
<i>2nd Lieutenant</i>	
Hammond, John Edward (prov)	18 Sept 85
<i>Paymaster</i>	
Hagerman, John Graham	4 June 75
<i>Adjutant</i>	
Hetherington, John Smith (s c 1st)	27 Aug 86
(lt 12 Dec 84)	

<i>Riding Master</i>	
Beatty, George	2 Sept 81
<i>Quartermaster</i>	
Stapleton, Charles	4 June 75
(hon capt 4 June 80)	
<i>Surgeon</i>	
Turner, Henry, M D	4 June 75
<i>Veterinary Surgeon</i>	
Stephenson, Alfred R	10 April 85

4TH REGIMENT OF CAVALRY.

M D No 3—7th Brig Divn	
Kingston	
(Organized G O 30 April 75)	
<i>Lieutenant-Colonel</i>	
F Duff, John (c c 1st, v b 1st)	13 June 84
	26 June 73
No 1 Troop, Kingston	
<i>Captain</i>	
F Knight, Archibald (c c 1st)	19 June 74
(m 19 June 84)	
<i>Lieutenant</i>	
F Purcell, George (c c 1st)	19 June 74
<i>2nd Lieutenant</i>	
Scriven, Joseph (prov)	13 June 84
No 2 Troop, Napanee	
<i>Captain</i>	
F Griffith, David E (c c 1st)	18 April 84
<i>Lieutenant</i>	
.....	
<i>2nd Lieutenant</i>	
.....	
No 3 Troop, Loughborough	
<i>Captain</i>	
Burnett, William Beamish (c c 1st)	26 Jan 83
(m s 2nd)	
<i>Lieutenant</i>	
Horning, John Benson (g s 3rd)	18 July 84
<i>2nd Lieutenant</i>	
.....	
No 4 Troop, Picton	
<i>Captain</i>	
Halliwell, Edwin Armitage Earl (prov)	7 May 86
<i>Lieutenant</i>	
McCulloch, Hugh (v b 2nd)	23 May 72
	5 July 71

<i>2nd Lieutenant</i>	
Williams, William (prov)	18 July 84
<i>Paymaster</i>	
Strange, Maxwell Wm	21 May 75 (hon capt 13 Oct 76)
<i>Adjutant</i>	
Greenwood, Henay Smith (r m c 1st)	7 May 86 (l t 27 June 82)
<i>Riding Master</i>	
Strange, Alexander Wilmot (c c 1st)	14 Dec 83
<i>Quartermaster</i>	
F Todd, Thomas (c c 2nd)	14 Dec 83 (2nd l t 5 May 76)
<i>Surgeon</i>	
Duff, Hew Ramsay, M D	18 July 84
<i>Veterinary Surgeon</i>	
Massie, James	13 May 81

5TH REGIMENT OF CAVALRY.

M D No 5—3rd Brig Divn
Cookshire
(Organized G O 30 Nov 77)

<i>Lieutenant-Colonel</i>	
Taylor, John Henry (c c 1st, m s 2nd)	13 June 84 23 May 77
<i>Major</i>	
Shepard, Charles William (c c 1st)	30 July 86
No 1 Troop, Cookshire	
<i>Captain</i>	
Learned, John Francis (c c 1st)	27 June 84
<i>Lieutenant</i>	
Bailey, Alvan Alexander (c c 1st)	27 June 84
<i>2nd Lieutenant</i>	
French, George Washington (prov)	27 June 84
No 2 Troop, Sherbrooke	
<i>Captain</i>	
Morkill, James Falshaw (prov)	28 Jan 81
<i>Lieutenant</i>	
Gilbert, Harry Langton (prov)	28 Jan 81

<i>2nd Lieutenant</i>	
Cillis, James (prov)	27 Oct 82
No 3 Troop, Stanstead	
<i>Captain</i>	
Moulton, John Wilder (c c 1st)	1 Sept 82
<i>Lieutenant</i>	
Hall, George Benjamin (prov)	4 June 86
<i>2nd Lieutenant</i>	
Bodwell, Edward F G (prov)	24 Aug 82
No 4 Troop, Compton	
<i>Captain</i>	
Pomroy, Albert Lee (prov)	21 May 86
<i>Lieutenant</i>	
Bliss, George Wilson (prov)	21 May 86
<i>2nd Lieutenant</i>	
Ball, Erastus P (prov)	16 July 86
No 5 Troop, Sutton	
<i>Captain</i>	
.....	
<i>Lieutenant</i>	
Billings, Josiah Smith (prov)	31 May 78
<i>2nd Lieutenant</i>	
Dyer, Chester (prov)	27 June 84
<i>Paymaster</i>	
Taylor, Oliver A	18 Apr 78 (l t prov 12 July 72)
<i>Adjutant</i>	
.....	
<i>Quartermaster</i>	
Odell, George Robertson	27 June 84
<i>Surgeon</i>	
Austin, Frederick J, M D	18 Apr 78
<i>Veterinary Surgeon</i>	
Provost, George W	2 July 80

6TH REGIMENT OF CAVALRY.

M D No 5—1st Brig Divn
Montreal
(Organized 14 Nov 79)

<i>Lieutenant-Colonel</i>	
F Barr, James (c c 1st, g s 1st, m s 1st)	12 Sept 84
No 1 Troop, Montreal	
<i>Captain</i>	
McArthur, Colin (c c 2nd)	16 May 79
<i>Lieutenant</i>	
.....	

<i>2nd Lieutenant</i>	
Garth, John Henry (prov)	28 June 82
No 2 Troop, St Andrews	
<i>Captain</i>	
Wanless, Martin (c c 1st)	2 July 80
<i>Lieutenant</i>	
Albright, Nelson (c c 1st)	2 July 80
<i>2nd Lieutenant</i>	
.....	
No 3 Troop, Havelock	
<i>Captain</i>	
Barr, John G (s c 2nd)	10 Dec 86
<i>Lieutenant</i>	
.....	
<i>2nd Lieutenant</i>	
McDiarmid, Charles (prov)	8 Feb 84
No 4 Troop, Clarenceville	
<i>Captain</i>	
Bush, Hiram C (c c 2nd)	10 Nov 80
<i>Lieutenant</i>	
Kincaid, Robert Marr (c c 2nd)	10 July 85
<i>2nd Lieutenant</i>	
.....	
<i>Paymaster</i>	
Clapham, Charles C	13 Jan 81
<i>Adjutant</i>	
.....	
<i>Quartermaster</i>	
McBride, John Thompson	28 June 82
<i>Surgeon</i>	
Smith, A Laphorne, M D	26 Dec 79
<i>Veterinary Surgeon</i>	
Alloway, Clement J	2 July 80

8TH "PRINCESS LOUISE'S NEW BRUNSWICK" REGIMENT OF CAVALRY

Badge and Motto:—A "Garter" surmounted by the Coronet of Her Royal Highness the Princess Louise; within the "Garter" the Number eight in Roman characters, with the motto "Regi patriaeque fidelis"

(G O 18 July 84)
M D No 8—2nd Brig Divn
Rothesay
(Organized G O 30 April 69)

<i>Lieutenant-Colonel</i>	
Domville, James (c c 1st)	2 July 81
<i>Majors</i>	
Markham, Alfred (c c 1st, m s 2nd)	2 July 81
Otty, Robert William (c c 1st)	12 Feb 86 4 Jan 71
"A" Troop, Hampton	
<i>Captain</i>	
Otty, George Otty Dickson (c c 2nd)	16 May 84
<i>Lieutenant</i>	
Whelpley, Frederic Ernest (prov)	22 Oct 86
<i>2nd Lieutenant</i>	
McMonagle, Robert Chillis (prov)	18 June 86
"B" Troop, Ossekeag	
<i>Captain</i>	
Langstroth, William (c c 2nd)	19 Apr 81
<i>Lieutenant</i>	
Langstroth, jr. William (s c 2nd)	12 Sept 84
<i>2nd Lieutenant</i>	
.....	
"C" Troop, Apohaqui	
<i>Captain</i>	
Campbell, Henry Montgomery (g s 2nd)	14 Mar 84
<i>Lieutenant</i>	
Sears, David (s c 1st)	18 June 86
<i>2nd Lieutenant</i>	
Markham, Alfred John (s c 2nd)	31 Mar 86
"D" Troop, Hammond	
<i>Captain</i>	
Fowler, David J (m s 2nd)	11 Dec 84
<i>Lieutenant</i>	
Fowler, George William (c c 2nd)	28 Mar 84
<i>2nd Lieutenant</i>	
Wedderburn, Edward Love (s c 2nd, s i 1st)	17 Dec 84
"E" Troop, Johnston	
<i>Captain</i>	
Pearson, Thomas E Alfred (c c 2nd)	24 July 85
<i>Lieutenant</i>	
Gass, Frederick (c c 2nd)	3 June 81

2nd Lieutenant
Pearson, Isaac Duncan (*prov*) 16 Oct 85
"F" Troop, Shediac

Captain
Maunsell, George Stopford (*s c 1st, s i 1st*)
22 Oct 86

Lieutenant
Murray, John Hannington (*prov*)
22 Oct 86

2nd Lieutenant
McDougall, John Ardmaddy (*s c 1st B*)
22 Oct 86
"G" Troop, Springfield

Captain
Brittain, William J (*q f o*) 21 June 65

Lieutenant
McRobbie, John Halley (*s c 2nd*)
1 Jan 85

2nd Lieutenant
Scovil, William Greenslade (*prov*) (*m s 2nd*)
3 June 81

Paymaster
Woodward, John Jesse 28 Sept 83

Adjutant
Wedderburn, Frederick Vernon (*s c 1st*)
30 July 86
(*capt 18 June 86*)

Quartermaster
Fowler, Joshua Upham (*m s 2nd*)
22 Oct 86
(*hon capt 22 Oct 86*)

Surgeon
March, John Edgar, *M D* 30 May 84

Assistant-Surgeon
Norfolk, Walter Jenks, *M D* 9 Jan 85

Veterinary Surgeon
Frink, James Henry 7 May 80

INDEPENDENT TROOPS.

KING'S TROOP OF CAVALRY.

M D No 9—2nd Brig Divn
Kentville
(*Organized G O 12 June 74*)

Captain
Ryan, J W (*q f o*) 12 June 74
12 Sept 73

QUEEN'S OWN CANADIAN HUSSARS.

M D No 7—8th Brig Divn
Quebec.
(*Organized G O 13 Nov 56*)

Major Commanding
Forsyth, Joseph Bell (*c c 1st*) 10 Jan 62
(*l c 13 Sept 66*)
"A" Troop

Captain
Gray, Frost Wood, (*c c 1st m s 1st, v b 1st*)
27 Dec 78
(*l c 8 Mar 77*)

Lieutenant
Martin, William Walwyn (*c c 2nd*)
7 May 86

2nd Lieutenant
.....
"B" Troop

Captain
Hethrington, Thomas Somerville
(*s c 1st*) 20 Mar 85

Lieutenant
.....

2nd Lieutenant
Clint, Albert Edward (*s c 2nd*) 27 Mar 86

Paymaster
McDonald, William M 27 Dec 78
(*m 28 Jan 78*)

Adjutant
Brown, William David (*c c 1st*)
29 Apr 81
(*capt 21 Dec 83*)

Quartermaster
Julien, Moses 21 Dec 66
(*hon capt 21 Dec 71*)

Surgeon
Russell, Henry, *M D* 20 Mar 85

Lieutenant
Masters, Robert S (*q f o*) 12 June 74
12 Sept 73

2nd Lieutenant
Redden, Harry Wilson (*prov*)
11 Aug 82

PRESCOTT TROOP OF CAVALRY *M D No 4—8th Brig Divn* (*Organized G O 22 Dec 71*)

Captain
Raney, John (*c c 1st*) 5 Nov 75
(*m 5 Nov 85*)

Lieutenant
Holmes, Urias (*s c 1st B*) 4 June 86

2nd Lieutenant
.....

THE PRINCESS LOUISE DRAGOON GUARDS.

Badge:—The joint monogram of Her Royal Highness the Princess Louise and of His Excellency the Governor General, the Marquis of Lorne, and consists of a Princess' Coronet and Marquis' Coronet, the former above and the latter in the centre of two inverted L's, representing Lorne and Louise. *G O 5 Nov 80.*

M D No 4—8th Brig Divn
Ottawa
(*Originally Organized G O 23 May 72*)

Captain
Gourdeau, François Frederic Evariste
(*c c 2nd*) 2 May 84

Lieutenant
Keefer, Harold Waldraf (*r m c*)
16 Oct 85
16 July 80

2nd Lieutenant
Hunfrey, William Keys (*prov*)
16 Oct 85

Veterinary Surgeon (special)
Coleman, Arthur Owen Fitzpatrick
27 Dec 78

WINNIPEG TROOP OF CAVALRY *M D No 10* (*Organized G O 20 Sept 78*)

Captain
NW Knight, Cornelius (*c c 2nd, m s 2nd*)
28 June 82

Lieutenant
NW Disbrowe, William Henry (*c c 1st*)
28 June 82

2nd Lieutenant
NW Shelton, Henry T (*s c 1st, c c 2nd*)
28 June 82

FIELD ARTILLERY.

1st PROVISIONAL BRIGADE OF FIELD ARTILLERY.

M D No 1—2nd Brig Divn
Guelph
(*Organized G O 24 March 80*)

Lieut Colonel
Macdonald, Archibald Henry (*g s 1st, m s 1st*)
25 Nov 81
No 1 Field Battery, Guelph
(*Organized as Gar Bat G O 20 July 66, changed to Field Batt G O 13 Sept 71*)

Major
Nicoll, William (*g s 1st, m s 1st*)
31 May 83

Captain
Murchison, Alexander (*g s 2nd*)
1 June 83

Lieutenant
.....

2nd Lieutenant
Hall, Frank (*prov*) 16 May 84
No 2 Field Battery, Guelph
(*Organized G O 24 Mar 78*)

Major
F Hood, George Bruce (*c c 1st, m s 2nd*)
31 May 83

Captain
Davidson, John (*g s 1st*) 4 June 86

Lieutenant
Tuck, William (*g s 2nd*) 16 May 84

2nd Lieutenant
Higinbotham, William Allan (*r s a 1st*)
17 June 86

Adjutant
Clarke, Walter 1 Sept 82
(*capt 4 Sept 85*)

Surgeon
McPhatter, Neil Lincoln, *M D*
1 June 83

Veterinary Surgeon
Reed, Joseph Hugo 16 Sept 82

FIELD BATTERIES.

DURHAM FIELD BATTERY OF
ARTILLERY.

M D No 3—6th Brig Divn
Port Hope
(Organized G O 19 April 72)

Major
McLean, William (g s 1st, v b 1st)
31 May 83

Captain
Sanderson, Edward (g s 1st) 1 June 83

Lieutenant
Twigg, William (prov) 27 June 84

2nd Lieutenant
Milligan, William Peter (r s a 1st)
31 Mar 86

Surgeon
Brereton, Thomas George 27 June 84

Veterinary Surgeon
Dickinson, Samuel Sydney 29 May 85

GANANOQUE FIELD BATTERY OF
ARTILLERY.

M D No 4—8th Brig Divn
(Organized as Gar Bat G O 32 Jan 62,
changed to Field Bat G O 18 June 72)

Major
F McKenzie, William (g s 1st, v b 1st)
31 May 83
(l c 4 Feb 85)

Captain
Gillies, George (g s 1st) 18 Sept 75

Lieutenant
McKenzie, Samuel Alexander (prov)
16 June 85

2nd Lieutenant
F Shields, Thomas Simeral (prov)
11 Aug 82

Surgeon
Bowen, George Henry 21 Aug 85

Veterinary Surgeon
F Waldie, John 5 Nov 75

HAMILTON FIELD BATTERY OF
ARTILLERY.

M D No 2—3rd Brig Divn
(Organized G O 6 Dec 55)

Major
Van Wagner, Henry Picton (g s 1st)
2 June 83

Captain

Hendrie, John Strathearn (r s a 1st)
11 June 84

Lieutenant

Bankier, Patrick Macindoe (prov)
16 May 84

2nd Lieutenant

Duncan, Alexander Thomas (r s a 1st B)
4 June 86

*Quartermaster**Surgeon**Veterinary Surgeon*KINGSTON FIELD BATTERY OF
ARTILLERY.

M D No 3—7th Brig Divn
(Organized G O 29 May 56)

Captain

Drennan, William Melville (g s 2nd)
27 Aug 86

Lieutenant

Wilmot, John A (g s 2nd) 27 Aug 86

2nd Lieutenants

Kent, Robert Edwin (r s a 1st) (m q)
10 Sept 83

Stark, Thomas (super and prov)
27 Aug 86

Surgeon

Saunders, Herbert James, M D
19 June 74

*Veterinary Surgeon*LONDON FIELD BATTERY OF
ARTILLERY.

M D No 1—1st Brig Divn
(Organized 17 July 56)

Major

F Peters, John (g s st) 31 May 83
(l c 4 Feb 85)

Captain

Williams, John Frederick (late R A)
1 June 83

Lieutenant

Fairbank, Charles Olver (r m c)
(late Lieut R. Art) 14 Sept 82
16 July 80

2nd Lieutenant

NW Hesketh, James Arthur (r s a 2nd,
m q) 15 Sept 82

Surgeon

Brown, Vesey Agmondisha, 5 Sept 56
(sur m 5 Sept 79)

Veterinary Surgeon

Tennet, James 10 Sept 75

MONTREAL FIELD BATTERY OF
ARTILLERY.

M D No 5—1st Brig Divn
(Organized 27 Sept 55)

Major

F Stevenson, A A (v b 1st) 31 May 83
(l c 15 Mar 67)

Captain

Hall, jr, John Smythe (r s a 1st)
27 Aug 86

Lieutenant

Hooper, George Robertson (r m c 1st)
27 Aug 86
27 June 82

2nd Lieutenant

Surgeon
F Fenwick, George Edgeworth, M D
14 Nov 55
(sur m 22 Aug 79)

Veterinary Surgeon

McEachran, Charles 27 Aug 86

NEWCASTLE FIELD BATTERY OF
ARTILLERY.

M D No 8—3rd Brig Divn
(Organized G O 18 Dec 68)

Major

Call, Robert R (g v b 1st) 31 May 83
(l c 4 Feb 85)

Captain

Lieutenant
Lawlor, Richard Alban (prov) 2 June 81

2nd Lieutenant

Fish, Charles Elijah (prov) 29 Aug 79

Surgeon

Pedolin, Ferdinand Lorek 14 Aug 85

Veterinary Surgeon

Morrissey, John 18 June 86
9a—3½

OTTAWA FIELD BATTERY OF
ARTILLERY.

M D No 4—8th Brig Divn
(Organized G O 27 Sept 55)

Major

Stewart, John (g s 1st) 1 June 83

Captain

NW Bliss, Lawrence Donald Cameron
Foster (g s 1st, v b 1st, m s 2nd)
8 Jan 86

Lieutenant

Stewart, William J (r m c) 27 June 83

2nd Lieutenants

Gordon, Robert Alexander (prov)
16 May 84

Bliss, Thomas Alder Dickson (super and
prov) 21 May 86

Paymaster

Woodburn, Alexander Smith 3 May 67

Surgeon

Bell, William Ralph, M D 1st Sept 82

Veterinary Surgeon

Harris, Alexander 18 April 84

QUEBEC FIELD BATTERY OF
ARTILLERY.

M D No 7—8th Brig Divn
(Organized G. O 31 August 55)

Major

Lindsay Crawford W A (g s 1st, m s 1st)
31 May 85

Captain

Dean, Charles Percy (g s 1st) 1 June 83

Lieutenant

2nd Lieutenant
Garneau, John George (r s a 1st)
30 Nov 86

Surgeon

Turcot, Jean Magloire, M D
27 June 84

Veterinary Surgeon

Hall, William B 22 June 77

RICHMOND FIELD BATTERY OF ARTILLERY.

M D No 5—3rd Brig Divn
(Organized G O 9 Nov 77)

Major

Aylmer, Hon Henry (late Lieut R M A)
31 May 83
2 Apr 74

Captain

Stevens, James (g s 1st) 18 Sept 85

Lieutenant

2nd Lieutenant

Surgeon

McCormick, Andrew George, M D
13 June 84

Veterinary Surgeon

SHEFFORD FIELD BATTERY OF ARTILLERY.

M D No 5—2nd Brig Divn
(Organized G O 10 May 72)

Major

F Amyrauld, Theophile (g s 1st, v b 1st)
31 May 83
(l c 12 Oct 76)

Captain

Kay, William (g s 2nd) 1 June 83

Lieutenant

Seale, Richard T (prov) 12 Sept 84

2nd Lieutenant

Gibson, William John (prov) 12 Sept 84

Surgeon

F Gibson, John B, M D
3 June 81
25 June 79

Veterinary Surgeon

Vittie, George 3 Sept 75

SYDNEY FIELD BATTERY OF ARTILLERY.

M D No 9—3rd Brig Divn
(Organized by G O 11 May 83)

Captain

McLeod, William McKenzie (prov)
11 May 83

Lieutenants

Chisholm, Colin (prov) 11 May 83

McKinnon, Archibald (prov) 11 May 83

2nd Lieutenant

Crowe, Walter (prov) 19 Nov 86

Surgeon

McDonald, Michael A 11 May 83

Veterinary Surgeon

TORONTO FIELD BATTERY OF ARTILLERY.

M D No 2—5th Brig Divn
(Organized as Gar Bat G O 9 March 66,
changed to Field Bat G O 6 July 66)

Major

F Gray, John (g s 1st, m s 1st)
31 May 83
l c 4 Feb 85

Captain

Mead, Joseph Hooper (v b 1st, g s 2nd,
m s 2nd) 1 June 83

Lieutenant

Beaty, James Philip (g s 1st, s i 1st)
25 Nov 81

2nd Lieutenant

Myles, Robert (prov) 25 Jan 84

Surgeon

Veterinary Surgeon

Smith, Andrew 10 May 72

WELLAND CANAL FIELD BATTERY OF ARTILLERY.

M D No 2—3rd Brig Divn
(Organized G O 6 Dec 61)

Major

King, Frank (c c 1st, g s 1st) 31 May 83

Captain

Wiley, William (g s 1st)
9 Nov 83
12 Oct 77

Lieutenant

Clendening, A Bruce (g s 3rd) 9 Nov 83

2nd Lieutenant

Macdougall, Dougall Braddock (prov)
28 Jan 86

Surgeon

Johnston, James Kennedy 8 June 83

Veterinary Surgeon

WINNIPEG FIELD BATTERY OF ARTILLERY.

M D No 10
(Organized G O 13 Oct 71)

Major

NW Coutlee, Louis William P (g s 1st)
5 Nov 86

Captain

NW Young, George Holmes (g s 1st)
23 Mar 85

2nd Lieutenant

Ross, Andrew Guy (prov) 6 Sept 86

Surgeon

Blanchard, Robert Johnston, M D
4 Sept 85

Veterinary Surgeon

Hinman, Willet James 30 July 86

GARRISON ARTILLERY.

1ST "HALIFAX" BRIGADE OF G. A.

M D No 9—1st Brig Divn
Halifax

(Organized G O 10 Sept 63)

Lieutenant Colonel

Mowbray, Thomas (m s 1st) 17 Apr 80

Majors

NW Curran, James E (m s 2nd)
2 June 76

NW Garrison, William (g s 2nd)
21 May 80

Purcell, William A (m s 1st)
21 Dec 83
19 May 71
(m 19 May 76)

Storv, John Douglas (g s 2nd) 16 Oct 85

NW Kane, William Lester (g s 2nd)
5 Mar 86

NW Anderson, Alexander (r s a 1st)
30 July 86

Boggs, Herbert Alfred (r s a 1st)
30 July 86

Lieutenants

Adams, Edward Duckett (g s 2nd)
25 Jan 84

WOODSTOCK (N. B.) FIELD BATTERY OF ARTILLERY.

M D No 8—1st Brig Divn
(Organized as Gar Bat G O 30 May 66,
changed to Field Bat G O 22 May 74)

Major

Dibblee, Frederick Herbert J (g s 1st)
31 May 83

Captain

Emery, Charles Harper (g s 1st)
16 Oct 85

Lieutenant

Doherty, James Frederick (g s 3rd)
16 Oct 85

2nd Lieutenant

Surgeon

Smith, Stephen 4 Sept 74

Veterinary Surgeon

NW Fairbanks, James Prescott (g s 2nd,
m s 2nd) 25 Jan 84
Maxwell, James (g s 3rd) 27 Feb 85
Newman, Oscar (r s a 1st) 30 July 86
Bland, Lancelot John (g s 2nd) 30 July 86

2nd Lieutenants

Parker, William (prov) 24 Apr 85
Little, Hugh Robert (prov) 10 July 85

Robson, Charles Alexander (prov)
14 Aug 85

Romans, William Edward Monteith
(prov) 30 July 86

DeWolf, John Charles (prov) 22 Oct 86

Paymaster

Creighton, Charles Aylwin 24 April 74
(hon m 7 Apr 81)

Adjutant

Harris, Henry John 12 Sept 84
(lt prov 4 June 80)

Surgeon

NW Almon, Thomas Ritchie, M D
24 Apr 85
10 May 72

Assistant Surgeon

Lathern, John Simpson, M D 24 Apr 85

BRITISH COLUMBIA BRIGADE OF
G. A.

M D No 11.

Victoria

(Organized G O 12 Oct 83)

Lieutenant-Colonel

Wolfenden, Richard (r s a 1st) late R
Eng 7 May 86

Major

Prior, Edward Gawlor (r s a 1st)
16 July 86

No 1 Battery, New Westminster

Captain

Bole, William Norman (prov) 8 Jan 86

Lieutenant

McNaughton, Charles Musgrave (r s a
1st) 27 Aug 86

2nd Lieutenant

Phillips, James Edward (prov)
7 May 86

No. 2 Battery, Victoria

Captain

Jones, Arthur William (a c 2nd)
12 Oct 83

Lieutenant

Irving, Paulus Amelius (prov)
16 July 86

2nd Lieutenant

No 3 Battery, Victoria.

Captain

Nicholles, John (r s a 1st) 20 Mar 85

Lieutenant

2nd Lieutenant

No 4 Battery, Victoria.

Captain

Smallfield, Walter Blake (r s a 2nd)
16 July 86

Lieutenant

Robson, Frederick William (r s a 1st B)
22 Oct 86

2nd Lieutenant

Dumbleton, Louis Garcia (prov)
4 Sept 85

Paymaster

Shears, Walter 14 Dec 83

Adjutant

Snowden, Northing Pinkney (r s a 1st)
16 July 86
capt 16 July 86

Quartermaster

Dorman, William Henry 14 Dec 83
(capt prov) 12 Oct 83

Surgeon

Matthews, Joseph Beauchamp, M R C S
Eng 12 Oct 83
5 Dec 79

MONTREAL BRIGADE OF G A

M D No 5—1st Brig Divn

Montreal

(Organized G O 27 Nov 56)

Lieutenant-Colonel

F, NW Oswald, William Robert
(g s 2nd) 24 June 81

Majors

F Turnbull, Thomas T (r s a 1st)
7 June 84NW Laurie, Walter Hunter (r s a 1st)
18 June 86

Captains

NW Cole, Frederick Minden (g s 2nd)
13 Jan 82NW Levin, Charles H (g s 2nd) 9 Mar 83
NW Stevenson, David (g s 2nd)

15 Aug 84

Howard Ernest (g s 2nd) 8 Jan 86
NW Lane, Campbell (a c 2nd)

21 May 86

NW Lulham, William Henry (g s 2nd)
18 June 86

Lieutenant

Campbell, Charles Sandwith (r s a 1st)
22 Oct 86

2nd Lieutenants

NW Finlayson, John Ainslie (prov)
13 Apr 83NW Bruce, James Kemp (prov)
8 Feb 84Crathern, Thomas Alexander (prov)
8 Jan 86Ogilvy, John (prov) 8 Jan 86
Magor, John H (prov) 21 May 86Robertson, George Ross (prov)
22 Oct 86

Paymaster

F Cole, Frederick (v b 1st, g s 1st)
1 June 83

(hon m) 1 June 83

Adjutant

NW Atkinson, Thomas (late 60 F)
c c 1st, v b 1st) 12 May 82

(m 12 May 82)

Quartermaster

NW Trotter, Wallace Cuthbert (g s 2nd)
21 May 86
(capt 1 Sept 82)

Surgeon

NW Cameron, Charles Ernest, M D
8 Jan 86

Assistant Surgeon

NW Elder, John Munro, M D 8 Jan 86

NEW BRUNSWICK BRIGADE OF G A

M D No 8—2nd Brig Divn

St. John

(Organized G O 28 May 69)

Lieutenant-Colonel

Armstrong, John Russell (r s a 1st, c c
2nd and 1st, m s 2nd) 28 Nov 85

Major.

Armstrong, Andrew J (r s a 1st)
22 Oct 86
5 Apr 86

No 1 Battery, St. John.

Captain

Seely, George Bliss (r s a 1st) 22 Nov 85

Lieutenant

Crawford, Stanley Douglas (g s 2nd)
10 Apr 85

2nd Lieutenant.

Ritchie, Robert Rankin (r s a 1st)
20 Apr 86

No 2 Battery, Carleton

Captain

Gordon, John James (r s a 1st)
18 June 86

Lieutenant

Clark, Arthur Albert (prov) 30 July 86

2nd Lieutenant

McLeod, George Kerr (r s a 1st)
15 May 86

No 3 Battery, Portland

Captain

Botsford, William Murray (r s a 1st)
22 Apr 86

Lieutenant

Cooper, Hedley Vickers (prov)
10 Apr 85

2nd Lieutenant

Harrison, Charles Frederick (prov)
16 July 86

No 4 Battery, St John

Captain

Jones, George West (r s a 1st) 22 Oct 86

Lieutenant

Benn, Arthur Shirley (prov) 10 Apr 85

2nd Lieutenant

No 5 Battery, Fairville

Captain

Scammell, Edward Jewett (r s a 2nd)
22 Apr 86

Lieutenant

Steeves, James Albert Edward (prov)
7 May 86

2nd Lieutenant

Turnbull, Ernest Hatheway (prov)
10 Apr 85

Paymaster

Smith, George Frederick 27 Feb 85

Adjutant

Langan, Charles Frederick (g s 1st)
18 June 86
(capt 4 June 86)

Quartermaster

Farmer, Richard 12 July 79
(m 27 Feb 67)

Surgeon

Daniel, John Waterhouse, M D (r s a 1st)
11 Aug 76

Assistant Surgeon

Andrews, Joseph, M D 14 Sept 83

PRINCE EDWARD ISLAND
PROVISIONAL BRIGADE OF G A

M D No 12

Charlottetown

(Organized G O 31 Mar 82)

Major Commanding

No 1 Battery, Charlottetown

Captain

Passmore, George (g f o) 31 Mar 82

Lieutenant

Macdonald, Hector Charles (r s a 1st)
31 Mar 86

<i>2nd Lieutenant</i>	<i>Quartermaster</i>
Longworth, Robert Vernon (<i>prov</i>) 27 Aug 86	Cameron, Edmund 29 Jan 86 (<i>hon capt</i> 29 Jan 86)
No 2 Battery, Charlottetown.	<i>Surgeon</i>
<i>Captain</i>	Jenkins, Stephen Rice 6 Feb 85
Moore, Frederick Strong (<i>r s a 1st</i>) 3 July 84	
<i>Lieutenant</i>	COBOURG BATTERY OF G A
Longworth, John Augustus (<i>r s a 1st</i>) 27 June 84	M D No 3—6th Brig Divn (Organized G O 4 May 66)
<i>2nd Lieutenant</i>	<i>Captain</i>
Bell, John Hector (<i>prov</i>) 3 Oct 84	Dumble, J H (<i>prov</i>) 4 May 66
No 3 Battery, Georgetown	<i>Lieutenant</i>
<i>Captain</i>	McNaughton, David (<i>g s 1st</i>) 30 July 81
Owen, Charles (<i>g f o</i>) 25 June 75 22 May 68	<i>2nd Lieutenant</i>
<i>Lieutenant</i>	MacNachtan, Edmund A (<i>prov</i>) 12 Aug 70
Stewart, Ewen (<i>prov</i>) 6 July 83	
<i>2nd Lieutenant</i>	COLLINGWOOD BATTERY OF G A
Easton, William Sanderson (<i>prov</i>) 14 Sept 83	M D No 2—4th Brig Divn (Organized G O 18 Jan 67)
No 4 Battery, Souris	<i>Captain</i>
<i>Captain</i>	Hogg, John (<i>g s 1st</i>) 20 Dec 67 (<i>l c</i> 20 Dec 77)
Leslie, John (<i>r s a 1st</i>) 13 May 84	<i>Lieutenant</i>
<i>Lieutenant</i>	Cox, John Loane (<i>prov</i>) 14 Sept 83
.....	<i>2nd Lieutenant</i>
<i>2nd Lieutenant</i>	Bernie, John (<i>prov</i>) 14 Sept 83
No. 5 Battery, Montague	
<i>Captain</i>	
.....	
<i>Lieutenant</i>	DIGBY BATTERY OF G A
Fraser, Charles B (<i>prov</i>) 17 Oct 84 (<i>prov</i>) 25 June 75	M D No 9—3rd Brig Divn (Organized G O 10 Sept 69)
<i>2nd Lieutenant</i>	<i>Captain</i>
White, William Clarence (<i>prov</i>) 17 Oct 84 (<i>prov</i>) 24 Aug 77	Daley, John (<i>q f o</i>) 24 Oct 73
<i>Paymaster</i>	<i>Lieutenant</i>
Palmer, Edward (<i>r s a 1st</i>) 31 Mar 82 (<i>2nd lt</i> 30 May 79)	Daley, David Wiswall Smith (<i>r s a 1st</i>) 9 Apr 85
<i>Adjutant</i>	<i>2nd Lieutenant</i>
Morson, Walter Augustus Ormsby (<i>r s a 1st</i>) 2 June 82 (<i>lt</i> 8 Nov 84)	Biden, Edmond (<i>m s 2nd</i>) 28 June 76

GASPÉ BATTERY OF G A	MAHONE BAY BATTERY OF G A
M D No 7—7th Brig Divn (Organized G O 3 Nov 73)	M D No 9—2nd Brig Divn (Organized G O 5 Mar 69)
<i>Captain</i>	<i>Captain</i>
Slous, John (<i>g s 1st, m s 1st</i>) 6 May 74 (<i>m</i> 23 Oct 73)	James Edward (<i>prov</i>) 5 Mar 69
<i>Lieutenant</i>	<i>Lieutenant</i>
Carter, Alfred Theodore (<i>g s 1st</i>) 23 Mar 79	Burgoyne, Samuel (<i>prov</i>) 8 Oct 69
<i>2nd Lieutenant</i>	<i>2nd Lieutenant</i>
Annett, Felix Joseph (<i>prov</i>) 14 Sept 83	Andrews, Charles (<i>prov</i>) 8 Oct 69
No 1 BATTERY, LEVIS G A	PICTOU BATTERY OF G A
M D No 7—7th Brig Divn (Organized G O 5 July 78)	M D No 9—1st Brig Divn (Organized G O 13 Aug 75)
<i>Captain</i>	<i>Captain</i>
Martineau, Joseph A S (<i>g s 1st</i>) 12 Feb 86	Gordon, Joseph Alexander (<i>g f o</i>) 1 Oct 75 15 July 65
<i>Lieutenant</i>	<i>Lieutenant</i>
Chabot, Joseph Edouard (<i>prov</i>) 2 Apr 86	Davies, John Richard (<i>g f o</i>) 17 Dec 75 (<i>lt</i> 15 July 65)
<i>2nd Lieutenant</i>	<i>2nd Lieutenant</i>
Turgeon, Louis Adelard (<i>prov</i>) 2 Apr 86	R Fraser, Frederick Wyatt (<i>prov</i>) (<i>v b 1st, m s 2nd</i>) 8 Oct 80
No 2 BATTERY, LEVIS G A	<i>Honorary Surgeon</i>
M D No 7—7th Brig Divn (Organized 6 Feb 80)	Stewart, John, M D 29 Apr 81
<i>Captain</i>	
Vien, Georges S (<i>g s 1st</i>) 9 Oct 80	No 1 BATTERY, QUEBEC G A
<i>Lieutenant</i>	M D No 7—8th Brig Divn (Organized G O 4 Jan 78)
Lemelin, Joseph Philippe (<i>prov</i>) 27 Aug 86	<i>Captain</i>
<i>2nd Lieutenant</i>	Roy, Hermenegilde (<i>g s 2nd, r s a 1st</i>) 4 Jan 78
Bergeron, Joseph E Philippe (<i>r s a 1st</i>) 22 Apr 86	<i>Lieutenant</i>
LUNENBURG BATTERY OF G A	Burroughs, William Peter (<i>r s a 1st</i>) 31 Mar 86
M D No 9—2nd Brig Divn (Organized 62)	<i>2nd Lieutenant</i>
<i>Captain</i>	Lapointe, Louis A (<i>r s a 1st</i>) 31 Mar 86
Brown, James H. (<i>prov</i>) 28 Sept 77	No 2 BATTERY, QUEBEC G A
<i>Lieutenant</i>	M D No 7—8th Brig Divn (Organized G O 27 Feb 80)
Hempt, William (<i>prov</i>) 4 June 86	<i>Captain</i>
<i>2nd Lieutenant</i>	Boulanger, Theodore L (<i>g s 1st</i>) 30 Mar 81
Silver, Andrew (<i>prov</i>) 22 Oct 86	

Lieutenant
Hudson, L Arthur (*r s a 1st*) 28 Feb 85

2nd Lieutenant
Joncas, Charles E (*r s a 2nd*) 31 Mar 86

NO 3 BATTERY QUEBEC G A.

M D No 7—6th Brig Divn
(Organized G O 24 March 80)

Captain
Morgan, Henry David (*g s 2nd*)
2 June 82

Lieutenant
Morgan, David Witmore (*g s 2nd*)
25 Jan 84

2nd Lieutenant
Panet, Antoine Chartier de Lotbinière
(*prov*) 2 Apr 86

ST JOHN'S BATTERY OF G A.

M D No 5—1st Brig Divn
(Organized G O 3 July 68)

Captain
F Drumm, William
3 July 68
(*m* 19 May 65)

MOUNTAIN ARTILLERY.

SAULT STE MARIE HALF BATTERY.

M D No 2—4th Brig Divn
(Organized G O 27 June 79)

Captain
37-8 Wilson, Joseph.....27 June 79
(*m* 24 Nov 76)

ENGINEERS.

BRIGHTON COMPANY OF ENGINEERS.

M D No 8—1st Brig Divn
(Organized G O 27 Feb 80)

Captain
Vince, D McLeod (*g s 1st, v b 1st, m s 2nd, Eng 1st*)
27 Feb 80
(*m* 10 Sept 74)

Lieutenant
Futvoye, Isaac Booth (*prov*) 3 July 63

2nd Lieutenant
F Tenny, Arthur James Moodie (*prov*)
5 Aug 81

TORONTO BATTERY OF G A.

M D No 2—5th Brig Divn
(Organized G O 5 Oct 66)

Captain
McMurrich, William Barclay (*prov*)
30 May 84

Lieutenant
Irving, Lukin Homfray (*m q*)
12 Sept 84

2nd Lieutenant
Malloch, Andrew Hill (*prov*) 27 Nov 25

YARMOUTH BATTERY OF G A.

M D No 9—2nd Brig Divn
(Organized G O 4 Oct 78)

Captain
Jolly, Thomas R (*q f o*)
5 Nov 80
(6 Mar 67)

Lieutenant
Lewis, Alexander Poole (*prov*)
12 Dec 84

2nd Lieutenant
.....

CHARLOTTETOWN ENGINEER COMPANY.

M D No 12—
(Organized 16 Aug 78)

Captain
Weeks, William Arthur (*e c 1st*)
2 Apr 86

Lieutenant
Moore, George Marton (*e c 1st B*)
18 June 86

2nd Lieutenant
Davison, Hugh McLean (*prov*)
18 June 86

MONTREAL COMPANY OF ENGINEERS.

M D No 5—1st Brig Divn
(Organized G O 19 Dec 61)

Captain
Kennedy, William (*g s 1st, v b 1st*)
2 Oct 63
(*l c* 25 June 74)

Lieutenant
.....

2nd Lieutenant
Head, John (*prov*) 10 Dec 86

INFANTRY AND RIFLES.

1ST BATTALION GOVERNOR-GENERAL'S FOOT GUARDS.

M D No 4—8th Brig Divn
Ottawa
(Organized G O 7 June 72)

Lieut-Colonel
Macpherson, James Pennington
(*g s 1st, g s e 1st, m s 1st*) 16 Sept 86

Major
Tilton, John (*v b 1st*) 14 Oct 81

Captains
Weatherly, Henry Stuart (*v b 1st*)
18 June 72
(*m* 12 Sept 77)

NW Todd, Alfred Hamlyn (*m s 1st*)
21 May 75
(*m* 21 May 85)

m Aumond, Telmont (*v b 2nd*) 6 Apr 77
Toller, Frederick (*v b 1st*) 14 Oct 81
White, Frederick (*v b 2nd*) 28 July 82
Waldo, Edward (*m s 2nd*) 10 Apr 85

Lieutenants
NW Bate, Gerald H (*v b 2nd*) 28 July 82
Thompson, Philip Nairn (*m s 2nd*)
27 Apr 83

Coté, Narcisse Omer (*g s i 1st, m s 2nd*)
18 May 83

Bowie, Henry William
(*g s i 1st*)
14 Mar 84

Hodgins, John (*m s 2nd*) 28 Mar 84
NW Gray, Harry Hamilton (*s i 1st, m s 2nd*)
29 Jan 86

2nd Lieutenants
White, George Rivers (*v b 2nd*) 9 Apr 84
Gisborne, Francis H (*v b 2nd, s i 2nd*)
9 Apr 84
NW Shannon, Samuel Leonard, (*v b 2nd, s i 2nd*) 9 Apr 84
NW Todd, Walter (*s i 2nd*) 12 Oct 84
m, NW Winters, Charles Francis (*late m, R. Fus*) 29 Jan 86
Jarvis, Arthur Leonard (*prov*) 10 Apr 85
Kirby, Walter T (*super*) (*s i 1st*)
8 Jan 86

Paymaster
37-8 Wicksteed, Horatio Asprey
18 June 72
21 Sept 66
(*hon m* 18 June 72)

Adjutant
Hodgins, William Egerton, (*v b 1st, m s s i 2nd*)
28 Sept 82
(*capt* 13 Jan 81)

Quartermaster
Heron, William Lewis
13 June 84
(*hon capt* 13 June 84)

Surgeon
NW Horsey, Alfred John, M D
27 Feb 85

Assistant Surgeon
NW Grant, jr., James Alexander, M D
27 Feb 85