

A 355  
D71

# ANNUAL REPORT

— OF THE —

## DOMINION

# ARTILLERY ASSOCIATION

For the Year 1895.



OTTAWA :

PRINTED AT THE OFFICE OF TAYLOR & GILBERT, SPARKS ST.

1896.

Dominion

HIS EXCELLENCY

HIS HONOR THE  
HON. SIR MAC  
HON. SIR A. P.  
COLONEL WAL

LT.-COLONEL

LT.-COLONEL  
LT.-COLONEL  
LT.-COLONEL  
LT.-COLONEL

# Dominion Artillery Association.

1895.

oooooooooooo

**PATRON:**

HIS EXCELLENCY THE EARL OF ABERDEEN, Governor General of Canada.

---

**VICE-PATRONS:**

HIS HONOR THE LIEUT.-GOVERNOR, Province of Ontario.  
HIS HONOR THE LIEUT.-GOVERNOR, Province of Quebec.  
HIS HONOR THE LIEUT.-GOVERNOR, Province of Nova Scotia.  
HIS HONOR THE LIEUT.-GOVERNOR, Province of New Brunswick.  
HIS HONOR THE LIEUT.-GOVERNOR, Province of Prince Edward Island.  
HIS HONOR THE LIEUT.-GOVERNOR, Province of Manitoba.  
HON. SIR MACKENZIE BOWELL, K.C.M.G.  
HON. SIR A. P. CARON, K.C.M.G.  
COLONEL WALKER POWELL.

---

**PRESIDENT:**

LT.-COLONEL the Hon. E. G. PRIOR, M.P., Comdg. B. C. Regiment, C.A.

---

**VICE-PRESIDENTS:**

LT.-COLONEL TURNBULL, Retd. List, Montreal.  
LT.-COLONEL MOORE, D. A. General, Charlottetown, P.E.I.  
LT.-COLONEL CALL, Comdg. Newcastle Field Battery.  
LT.-COLONEL LINDSAY, Retd. List, Quebec.

## COUNCIL FOR 1895.

\*\*\*\*\*

### President.

Lieut.-Colonel F. M. COLE, Comdg. Montreal Regiment.

### Vice-Presidents.

Lt.-Col FRANK KING, M.D., Comdg. Welland Canal Battery.

Major MAXWELL, Halifax Regiment.

Lt.-Col. H. P. VAN WAGNER, Comdg. Hamilton Battery.

Captain MACNACHTAN, Comdg. Cobourg Company.

### Members (Ex-officio).

Colonel the Hon. C. E. PANET, Dep. Minister of Militia.

Lt.-Col. J. MACPHERSON, Director of Stores, Ottawa.

" D. T. IRWIN, A. A. General Artillery, Ottawa.

" C. E. MONTIZAMBERT, Inspector of Artillery, Quebec.

" W. H. COTTON, Inspector of Artillery. Kingston.

" T. AMYRAULD, Comdg. Shefford Battery, Sweetsburg, Que.

" A. H. MACDONALD, Q.C., Comdg. 1st Bde., Fd. Artillery, Guelph.

" R. R. CALL, Comdg. Newcastle Battery.

" W. NICOLL, Comdg. No. 1 By, 1st Bde., Fd. Artillery, Guelph.

" J. R. ARMSTRONG, Comdg. N. B. Regiment, St. John, N.B.

" A. E. CURREN, Comdg. Halifax Regiment.

" the Hon. E. G. PRIOR, M.P., Comdg. B. C. Regiment.

" W. MCKENZIE, Comdg. Gananoque Battery.

" W. D. OTTER, D.A.G., M.D. 2, Toronto, Ont.

" F. S. MOORE, D.A.G. M.D. 12, Charlottetown, P.E.I.

" W. MCLEAN, Comdg. Durham Battery, Port Hope, Ont.

" F. H. DIBBLEE, Comdg. Woodstock Battery, N.B.

" LONGWORTH, Comdg. P.E.I. Regiment.

Major L. W. COUTLÉE, Comdg. Winnipeg Battery.

" J. DAVIDSON, Comdg. No. 2 By., 1st Bde., Fd. Artillery, Guelph.

" J. H. MEAD, Comdg. Toronto Battery.

" T. BOULANGER, Comdg. Quebec Battery.

" G. S. VIEN, Comdg. No. 2 Company, Levis.

" F. H. OXLEY, Halifax Regiment.

Major GEO. W.

" HOOPE

" J. OGIL

" R. H. F

" L. A. F

" W. N.

Capt. W. H. I

" F. K. W

" MARTIN

Lt.-Col. A. A.

" T. T.

" C. LI

Captain MCC

Lt.-Col. D. T.

" C. E.

" W. H

Lt.-Col. A. H

" F. M.

Major J. B. D

- Major GEO. W. JONES, N. B. Regiment.  
 " HOOPER, Comdg. Montreal Battery.  
 " J. OGILVY, Montreal Regiment.  
 " R. H. REID, Montreal Regiment.  
 " L. A. HUDON, Quebec Company.  
 " W. N. KING, Montreal Regiment.  
 Capt. W. H. FEATHERSTONE, Montreal Regiment.  
 " F. K. W. HIBBARD, Montreal Regiment.  
 " MARTINEAU, No. 1 Company, Levis.

**Members (Elected).**

- Lt.-Col. A. A. STEVENSON, Retired List, Montreal.  
 " T. T. TURNRULL, Retired List, Montreal.  
 " C. LINDSAY, Retired List, Quebec.  
 Captain MCCRAE, Retired List, Guelph.

**Executive Committee.**

**Ex-officio.**

- Lt.-Col. D. T. IRWIN, A. A. General Artillery.  
 " C. E. MONTIZAMBERT, Inspector of Artillery.  
 " W. H. COTTON, Inspector of Artillery.

**Elected.**

- Lt.-Col. A. H. MACDONALD, Q.C., Guelph.  
 " F. M. COLE, Montreal.

**Secretary-Treasurer.**

- Major J. B. DONALDSON, Militia Department, Ottawa.

Que.  
Guelph.

Guelph.  
I.B.

Guelph.

## List of Life Members.

---

- His Excellency the Earl of Aberdeen, Governor-General, etc.  
 The Most Honorable the Marquis of Dufferin and Ava, K.P., etc., etc.  
 The Most Honorable the Marquis of Lansdowne, K.G., G.C.M.G., etc.  
 The Right Honorable the Earl of Derby, G.C.M.G., etc.  
 The Right Honorable the Marquis of Lorne, K.T., etc.  
 The Right Honorable Lord Mount-Stephen.
- |  |  |
|--|--|
| Angus, R. B., Esq.                                   | Joly de Lotbiniere, Hon. Sir J. G.           |
| Armstrong, Lt.-Colonel J. R.                         | King, Lt.-Colonel F., M. D.                  |
| Benny, Robt., Esq.                                   | Lewes, Lt.-Colonel Price.                    |
| Blaik, Hugh, Esq.                                    | Lindsay, Lt.-Colonel Crawford.               |
| Boulanger, Major T.                                  | Lindsay, R. A., Esq.                         |
| Brainerd, T. C., Esq.                                | Macdonald, Lt.-Colonel A. H., Q.C.           |
| Brainerd, Dwight, Esq.                               | McGreevy, Hon. Thos.                         |
| Cameron, Lt.-Colonel.                                | McKenzie, H., Esq.                           |
| Cassils, C., Esq.                                    | Middleton, Gen. Sir Fred., C.B.,<br>K.C.M.G. |
| Cole, Lt.-Col. F. Minden.                            | Moat, R., Esq.                               |
| Daniel, J. W., Surgeon.                              | Montizambert, Lt.-Colonel C. E.              |
| Donaldson, Major, J. B.                              | Osler, E. B., Esq.                           |
| Drummond, Hon. J. A.                                 | Oswald, Lt.-Colonel, W. R.                   |
| Farley, Major A. A.                                  | Palliser, Major E.                           |
| Forget, L. J., Esq.                                  | Paton, Hugh, Esq.                            |
| Gray, Lt.-Col. J.                                    | Rankin, John, Esq.                           |
| Gzowski, Col. Sir Casimir, A. D. C.<br>to the Queen. | Raymond, Charles, Esq.                       |
| Hamilton, Robt., Esq.                                | Rowley, W. H., Esq.                          |
| Herbert, Major-General, C. B.                        | Smith, Sir Donald A., M.P.                   |
| Hickson, Lt.-Colonel Sir J.                          | Strange, Major-General T. B.                 |
| Hope, John, Esq.                                     | Turnbull, Lt.-Colonel T. T.                  |
| Irwin, Lt.-Colonel D. T.                             |  |

## Members for 1895.

---

Barton, Captain E. R., Montreal Regiment.  
Baxter, Captain J. B. M., N. B. Regiment.  
Call, Lt.-Colonel R. R., 12th Field Battery.  
Cole, Lieutenant Ernest, Montreal Regiment.  
Collins, Captain W. A., Montreal Regiment.  
Coutlée, Major Louis W. P., 13th Field Battery.  
Crowe, Captain Walker, 17th Field Battery.  
Davidson, Major John, No. 1 By. 1st Brig. Field Artillery.  
Dibblee, Lt.-Colonel F. H., 10th Field Battery  
England, Lieutenant G. P., Montreal Regiment.  
Good, Lieutenant W. C., 10th Field Battery.  
Hibbard, Captain F. W., Montreal Regiment.  
Hooper, Major Geo. R., 3rd Field Battery.  
Longworth, Lt.-Colonel John A., P. E. I. Regiment.  
MacNachtan, Captain N. F., Cobourg Company.  
Martineau, Captain J. A. S., No. 1 Company, Levis.  
Maxwell, Major James, Halifax Regiment.  
Mead, Major J. H., 9th Field Battery.  
Moore, Lt.-Colonel F. S., D. A. G. Military District 12.  
Ogilvy, Major John, Montreal Regiment.  
Oxley, Major Fred. H., Halifax Regiment.  
Reid, Major R. Hudson, Montreal Regiment.  
Stevenson, Lt.-Colonel A. A., Retired List.  
Taylor, R. J., Esq., Ottawa.  
Trotter, Major W. C., Montreal Regiment.  
Vien, Major George S, No. 2 Company, Levis.  
Wynne, Captain John H, Montreal Regiment.

## List of Affiliated Batteries, Etc.

---

Royal Military College, Kingston.  
 "A" Battery, Royal Regiment, C.A., Kingston.  
 "B" " " " " Quebec.  
 No. 1 Company, R.C.A., Quebec.  
 No. 2 " " " "  
 No. 1 Battery, 1st Brigade, Field Artillery, Guelph.  
 No. 2 " " " " "  
 Hamilton Battery.  
 London "  
 Welland Canal Battery.  
 \* Winnipeg Battery.  
 Toronto "  
 Durham " Port Hope, Ont.  
 Kingston "  
 Gananoque "  
 Ottawa "  
 Montreal "  
 Shefford " Granby, Que.  
 Quebec "  
 Newcastle "  
 Woodstock "  
 Sydney "  
 Montreal Regiment, Garrison Artillery (6 Companies).  
 Halifax " " 8 "  
 P. E. Island " " 5 "  
 N. Brunswick " " 5 "  
 Cobourg Company " "  
 No. 1 Company, Levis " "  
 Quebec " " 2 "  
 Pictou Company " "

1. That t  
 ARTILLERY A  
 Gunnery skill,  
 the Dominion

2. That th  
 which will giv  
 other than a n  
 any one time,  
 for at a gener

3. That ar  
 College Cadet  
 Police Force, s  
 per Garrison B  
 tion, and shall  
 of one for each  
 Battery to sele  
 memberships a  
 the Secretary,  
 Meeting.

4. The af  
 consist of *ex-og*  
 lists as may be  
 Minister of M  
 Defence; the  
 Inspector and  
 General of Dis  
 Regimental F  
 Commanding  
 Stores; the C  
 College; Milita  
 inion Rifle A  
 Association, b  
 shall likewise

5. The Go  
 nors of the Pr

## Rules of the Association.

---

1. That the Association be called the DOMINION OF CANADA ARTILLERY ASSOCIATION, and have for its object the development of Gunnery skill, and the dissemination of Artillery knowledge throughout the Dominion of Canada.

2. That the annual subscription for individual members be *two dollars*, which will give the right of voting at any regularly organized meeting, other than a meeting of Council. The donor of *twenty dollars* in cash, at any one time, or a prize of not less value than *forty dollars*, to be competed for at a general prize meeting, may be elected a life member.

3. That any Canadian Artillery or Engineer Corps, the Royal Military College Cadets, and the Artillery detachment of the Northwest Mounted Police Force, subscribing not less than *ten dollars*, per Field, and *six dollars* per Garrison Battery, per annum, may become affiliated to the Association, and shall be entitled to a number of memberships in the proportion of one for each two dollars thus subscribed, the officers of each subscribing Battery to select from amongst themselves the person to hold such memberships and return their names and addresses, when selected, to the Secretary, to be registered by him previous to the Annual General Meeting.

4. The affairs of the Association to be managed by a Council to consist of *ex-officio* members and such officers on the Active or Retired lists as may be elected annually at a General Meeting. The Hon. the Minister of Militia and Defence; the Deputy Minister of Militia and Defence; the Major-General Commanding; the Adjutant-General; the Inspector and Assistant Inspectors of Artillery; the Deputy Adjutants-General of Districts, and Brigade Majors; all Officers Commanding, and Regimental Field Officers of Artillery brigades or battalions; Officers Commanding affiliated batteries and Engineer corps; the Director of Stores; the Commandant and Professors (being officers), Royal Military College; Military Secretary to the Governor-General, and President Dominion Rifle Association, shall, if members of the Dominion Artillery Association, be *ex-officio* members of Council. The Secretary-Treasurer shall likewise be *ex-officio* a member of the Council.

5. The Governor-General of the Dominion and the Lieutenant Governors of the Provinces, shall be respectfully requested to become Patron



kept for that purpose by the Secretary, and open to the inspection of any member of the Council.

11. Extraordinary meetings of Council shall be summoned by the Secretary when required by the President of Council at such places as the President may direct, either at his own discretion, or upon the request, in writing, of six members of Council, of at least three different corps, duly qualified to vote at such meeting, one of whom shall be a Vice-President, notifications being sent to each member of the Council at least fourteen days previous to such meeting, and the requisition for the meeting and the notice to the members must state the object, or objects, of such meetings. Members of Council shall be permitted to send a written vote to the Secretary upon subjects to be discussed at such meetings.

12. All subscriptions, other than through affiliation, to the Association shall become due on or before the 1st May for the current Association year, and the Treasurer shall be required to deposit all sums of money paid over to him on behalf of the Association, in a Savings' Bank.

13. Two Auditors shall be appointed annually to examine the Treasurer's Accounts previous to the Annual Meeting.

14. The payment of money for current expenses must be authorized by the President of Council or in his absence by one of the Vice-Presidents, other payments to be made only on authority of Council.

15. The Council have the power of establishing such competitions as they may deem advisable. All technical details to be referred to the Executive Committee.

16. An annual report from the Secretary-Treasurer to be submitted to the Council before publication. The Council shall also make a report of the proceedings of the year to the General Association Meeting.

17. All competitions to be closed by the 31st December of each year, and all returns thereof, with list of men entitled to badges, must be sent to the Secretary by the 15th January ensuing the year for which the claim is made.

18. That members of Council, not being life members, must pay the annual subscription to remain as such.

19. That any Commanding Officer of a Corps, being a member of Council, unable to attend any meeting of the same, may nominate, in writing, an officer of his own command to attend in his stead, and upon such officer delivering to the Secretary such nomination, he shall be entitled to speak and vote at such meeting of Council, but any motion



## CUPS

### Competed for in the Association Competitions.

#### 1. General Efficiency, Field Batteries.—1st Prize.

Presented by His Excellency the Governor-General to Battery making the highest number of points for General Efficiency during the year (see table). Won by Ottawa Field Battery—Major Bliss, Comdg.

#### BATTERIES WHICH HAVE WON CUPS PREVIOUSLY.

- 1880—No. 2 Battery, 1st Brigade, Guelph.
- 1881—No. 2 “ “ “
- 1882—No. 1 “ “ “
- 1883—Quebec Field Battery.
- 1884—No. 1 Battery, 1st Brigade, Guelph.
- 1885—Montreal Field Battery.
- 1886—Ottawa “
- 1887—Hamilton “
- 1888—No. 1 Battery, 1st Brigade.
- 1889—No. 1 “ “
- 1890—No. 1 “ “
- 1891—Hamilton Field Battery.
- 1892—No. 2 Battery, 1st Brigade, Guelph.
- 1893—Hamilton Field Battery.
- 1894—No. 2 Battery, 1st Brigade, Guelph.

#### 2. General Efficiency, Field Batteries.—2nd Prize.

##### LANSDOWNE CUP.

Held for the year by Battery second on list for General Efficiency, viz :—Hamilton Battery, Lt.-Colonel Van Wagner, Comdg.

Held in 1888 by Hamilton Field Battery.

- 1889 by Quebec “
- 1890 by Hamilton “
- 1891 by No. 1 Battery, 1st Brigade.
- 1892 by Hamilton Field Battery.
- 1893 by No. 2 Battery, 1st Brigade.
- 1894 by Winnipeg Field Battery.

**3. General Efficiency, Garrison Artillery.—1st Prize.**

## INCREASED ESTABLISHMENT.

Presented by His Excellency the Governor-General. Won by No. 1 Company, Montreal Regiment, Major McEwen, Comdg.

**4. General Efficiency, Garrison Artillery.—2nd Prize.**

Held for the year by Battery second on list for General Efficiency : No. 3 Company, Montreal Regiment, Major Reid, Comdg.

Held in 1888 by No. 1 Battery, New Brunswick Brigade.

1889 by No. 1	"	P. E. Island	"
1890 by No. 3	"	Halifax	"
1891 by No. 5	"	"	"
1892 by No. 5	"	"	"
1893 by No. 1 Company,		New Brunswick Battalion.	
1894 by No. 1	"	P. E. Island Regiment.	

**5. General Efficiency, Garrison Artillery.—1st Prize.**

Presented by His Excellency, same conditions as 1 (see table). Won by Cobourg Company, Captain MacNachtan, Comdg.

## WON IN PREVIOUS YEARS BY

1882—No. 1 Battery,		P. E. Island Brigade.	
1883—No. 1	"	"	"
1884—No. 2	"	"	"
1885—No. 2	"	"	"
1886—No. 2	"	"	"
1887—No. 2	"	"	"
1888—No. 2	"	"	"
1889—No. 2	"	"	"
1890—No. 2	"	"	"
1891—No. 3	"	Halifax	"
1892—No. 3	"	"	"
1893		No. 2 Company P. E. Island Battalion.	
1894—Cobourg Company.			

**9. General Efficiency, Garrison Artillery.—2nd Prize.**

## OLD ESTABLISHMENT.

Presented by Hugh Blaik, Esq. To be held for the year by the Company making the second highest marks in competition. Held this year by No. 1 Company, New Brunswick Regiment. Captain Crawford, Comdg.

Firing Co  
the property of  
by Lt.-Colonel  
award for 1895

Firing Co  
conditions as  
Assistant Insp

Presented  
Queen. To be

\*Cup previously  
1891 by the Durham

**7. Oswald Challenge Cup.**

Firing Competition, Field Artillery.—Open to the Dominion. To be the property of any Battery winning it two years in succession. Presented by Lt.-Colonel Oswald, late Montreal Brigade, Garrison Artillery. No award for 1895.

## HELD PREVIOUSLY BY

1884—Welland Canal Field Battery.  
 1885—Montreal “ “  
 1886—Ottawa “ “  
 1887—Durham “ “  
 1888—Winnipeg “ “  
 1889—Quebec “ “  
 1890—No. 1 Battery, 1st Brigade.  
 1891—Durham Field Battery.  
 1892—Woodstock Field Battery.  
 1893—Montreal “ “  
 1894—No award.

**8.—Montizambert Challenge Cup.**

Firing Competition, Field Artillery, Province of Ontario. Same conditions as No. 5. Presented by Lt.-Colonel C. E. Montizambert, Assistant Inspector of Artillery. Not competed for.

## HELD PREVIOUSLY BY

1883—No. 1 Battery, 1st Brigade  
 1884—Welland Canal Field Battery.  
 1885—No. 2 Battery, 1st Brigade.  
 1886—Ottawa Field Battery.  
 1887—Durham “  
 1888—Gananoque “  
 1889—Hamilton “  
 1890—No. 1 Battery, 1st Brigade.  
 1891—Durham Field Battery.  
 1892—Not competed for.  
 1893—Hamilton Field Battery.  
 1894—No award.

**Gzowski Challenge Cup.\***

Presented by Colonel Sir Casimir Gzowski, K.C.M.G., A.D.C. to the Queen. To be held for one year by the Battery making shortest time in

\*Cup previously presented by Sir Casimir Gzowski for competition in 1884 was finally won in 1891 by the Durham Field Battery.

Drill and Driving Competition. Held 1895 by Durham Field Battery, Lt.-Colonel McLean, Comdg.

- 1893—Durham Field Battery.  
1894—Woodstock Field Battery.

**Mercier Challenge Trophy.**

Presented by Hon. Honoré Mercier. To be competed for with 64-pr. R. M. L. guns. To become the property of any Battery winning it in three successive competitions. No award for 1894.

- 1890—Held by Cebourg Garrison Battery.  
1891— “ Digby “ “  
1892— “ 3 Battery, Halifax Brigade.  
1893— “ 2 Detachment, No. 3 Co'y, Halifax Bn.

**Turnbull Challenge Shield.**

To be held for the year by the Battery making the highest aggregate score with 64-pr. R.M.L. and 40-pr. R.B.L. guns. Held by the Left Half Detachment, No. 3 Co'y, Montreal Bn.

- 1890—Held by Cobourg Battery, Garrison Artillery.  
1891— “ No. 4 “ Halifax, Brigade.  
1892— “ No. 3 “ “ “  
1893— “ No. 1 Company, New Brunswick Bn.



1. A maximum  
Laying, and 25  
Officers at the  
awarded in acc  
to Field Batter

2. 1st and  
points obtained  
Battery. The  
Prizes can only  
to qualify in ea

3. Under

4. Two P  
General for th  
establishment,  
making the hi  
above compet  
lished in 1894  
Companies on  
printed list wi  
poral present  
the same Com  
detachments o  
tachments fro

Ottawa, 21st

## Circulars, 1895.

### Field Artillery.

#### GENERAL EFFICIENCY COMPETITIONS.

1. A maximum of 50 marks for Fire Discipline, 25 marks for Gun Laying, and 25 marks for Fuze Boring, will be given by the Inspecting Officers at the annual Inspection of each Field Battery. Credits will be awarded in accordance with instructions contained in the Syllabus issued to Field Batteries.

2. 1st and 2nd Prizes of \$5.00 and \$2.50 will be given for the highest points obtained at Gun Laying and Fuze Boring, respectively, in each Battery. The competition being as detailed in the Syllabus of Instruction. Prizes can only be won by those who have obtained the points necessary to qualify in each competition.

#### DRILL AND DRIVING COMPETITION.

3. Under the same conditions as 1894.

### Garrison Artillery.

#### GENERAL EFFICIENCY COMPETITION.

4. Two Prizes have been offered by His Excellency the Governor-General for the above competition, one to the Company on the increased establishment, and one to the Company on the original establishment making the highest number of points for General Efficiency. In both the above competitions the same number of marks for each detail as published in 1894 will be awarded—with the exception that in the case of Companies on the increased establishment, only one question from the printed list will be put to each Officer—and to each Sergeant and Corporal present at Inspection—the same question not to be asked twice to the same Company. The Inspection in Gun Drill is limited to separate detachments of one N.C.O. and eight men, and to not more than eight detachments from Companies on the increased establishment.

D. T. IRWIN, LIEUT.-COLONEL,

A. A. G. Artillery,

*Chairman Executive Committee.*

Ottawa, 21st June, 1895.

## Annual Gun Practice.

### Garrison Artillery.

1. The annual gun practice of the following units of Garrison Artillery will be carried out as follows:—

CORPS.	PLACE.	No. of Detachments.	DATE.
Montreal Battalion.....	Island of Orleans, Que.	12	23rd to 27th Sept.
Quebec Company.....		4	
Levis Companies.....		4	
Cobourg Company.....		2	
P. E. Island Battalion, Nos. 1 and 2 Co's....	Charlottetown .	4	Date of Annual Inspection.

2. The strength of each Detachment will consist of 1 Officer and 8 N.C. Officers and Men, four Detachments from each double, and two from each single Company.

3. Officers commanding the Montreal Battalion and Cobourg Company will be responsible for the arrangements for the transport of their respective detachments. The cost of tickets will be recoverable on production of the necessary vouchers.

4. An allowance of 75 cents per diem for subsistence for each Officer and man of the active Militia detachments will be paid by the Dominion Artillery Association for each day necessarily absent from Battery headquarters.

5. Camp equipment will be issued from the Militia Stores, No. 7 District, and delivered at the site of the camp by the District Superintendent of Stores. The Deputy Adjutant-General of No. 12 District will make arrangements for the issue of all stores required for practice at Charlottetown, P. E. I.

6. The Assistant Inspector of Artillery, Quebec, will take charge of the camp at the Island of Orleans, and will be assisted in his duties by the Staff of the Royal School of Artillery.

7. Each single Company may expend 10 rounds solid shot 40-pr. R. B. L. and those practicing at Island of Orleans 5 rounds plugged common shell, 64-pr. R. M. L. in addition. Double Companies twice the above

amounts. Rec...  
site of camp, Is...  
to the Superint...  
Comdg. the P.

8. Compet...  
Orleans. Com...  
prizes in connec...

7. Two 40...  
fixed targets, t...  
being given.

Officers ar...

The grou...  
from G. O. tha...  
ease." He wi...  
Target and ap...  
not necessarily...  
in the scale is...  
and force of ro...  
give order to l...  
from this poin...  
will report to...  
minutes," and...  
per gun at the...  
on it, whether...

Umpire v...  
12 minutes.

8. The ta...  
front of a rect...

amounts. Requisitions for the above ammunition, to be delivered at the site of camp, Island of Orleans, will be made by the Camp Commandant to the Superintendent of Stores—40-pr. ammunition only, by the Officer Comdg. the P. E. I. Garrison Artillery.

8. Competitions Nos. 1 and 2, as follows, will be held at the Island of Orleans. Competition No. 2 only at Charlottetown. There are no money prizes in connection with these competitions.

**No. 1.—Group Firing.**

**FIRE DISCIPLINE COMPETITION**

7. Two 40-pr. R. B. L. guns on seige carriages, at one of three 9' x 9' fixed targets, to be drawn by lot, an approximate range (within 200 yds.) being given.

Officers and Men required:—

- 1 Fire Commander (Officer).
- 1 Group Officer (Officer or Sergeant).
- 2 Gun Detachments of 1 Gun Captain, 1 Gun Layer.
- 6 N. C. Officers or Gunners.

The group will be run up ready for loading. F. C. will ascertain from G. O. that he is ready to proceed, and will then stand the group "at ease." He will report to Umpire, bringing with him his Group Officer. Target and approximate range will then be given him. (The F. C. will not necessarily obtain this range in his tangent scale; the proper elevation in the scale is what is required, and this varies with the powder, direction, and force of round, etc.) The G. O. will then rejoin his group and F. C. give order to load. Umpire will give order to "Commence" to F. C.; from this point time will be taken. When F. C. has found his range he will report to the Umpire "Range found, . . . yards or . . . degrees and minutes," and then fire, without pause, a verifying series of two rounds per gun at the range so found, and will report to the Umpire his opinion on it, whether short, over and range.

Umpire will note range and time and number of shots fired. Time 12 minutes. Ammunition, 10 solid shot per group.

8. The target will be placed at the front of a rectangle, thus:—

—> | RECTANGLE.

RANGE.	RECTANGLE.	
	Length.	Breadth.
1500 yards.....	60 yards.	18 feet.
1600 ".....	55 "	19 "
1700 ".....	51 "	20 "
1800 ".....	46 "	21 "
1900 ".....	43 "	23 "
2000 ".....	40 "	24 "
2100 ".....	38 "	25 "
2200 ".....	36 "	26 "
2300 ".....	33 "	27 "
2400 ".....	31 "	29 "
2500 ".....	29 "	30 "

Direct hits and rounds falling in rectangle as above (the four verifying rounds only) score 12 points.

9. There will be two umpires—one to mark for direction of fire and time, the other for fire discipline, drill, etc.

The marking will be as follows:—

		Points.
F.C. {	For observation .....	15
	For carrying out system correctly and intelligently.....	25
	Group Officer .....	20
	Layers and Detachments .....	30
	General style.....	10
	Verifying series.....	48
	Maximum .....	148

Should the prescribed 12 minutes be exceeded a deduction of 10 per cent. of the total marks awarded by the Umpire will be made therefrom for half minute or fraction thereof in excess. Points will be added in like proportion for each shell less than six fired in obtaining the range.

*Example:—*

Marks awarded by Umpire .....	85
Four shell fired (10% added).....	8.5

10. *Disqualification:* A single gun will be disqualified if—

- (a) It be fired out of its turn.
- (b) Or at the wrong target.
- (c) Or without the proper word of command.
- (d) If at any time the elevation given by a layer be not that ordered by the F. C. through the G. O.

Individual the Umpires for replaced except officers who have the group not

11.—With N. C. O. Op double Compa

Five round be given by U Scoring. Dir deduction of h thereof, beyon

12. GENI Umpire, the p should be tak targets, or as will be define

All drills rison Artillery tion 3.

Septemb



# PRIZE LIST, 1895.

## Field Artillery - 17 Batteries.

### 1. General Efficiency.

1st To Battery receiving highest total points, Cup or Trophy presented by His Excellency the Governor-General, value	\$50 00
2nd To Battery second on list, Lansdowne Cup, to be held for the year, and.....	40 00
3rd To Battery third on list .....	25 00

### 2. Gun-laying.

To Battery making highest aggregate score .....	\$20 00
Individual Battery prizes:—	
1st Prize, Silver Badge and .....	5 00
2nd Prize, Embroidered Badge and .....	2 50
Other qualified gun-layers in each Battery, an embroidered badge.	
None but qualified gun-layers will receive prizes.	

### \*3. Fuze Boring.

Individual Battery Prizes:—	
1st Prize .....	\$3 00
2nd " .....	2 00

### 4. Drill and Driving.

1st Prize, Gzowski Cup to be held for year and ..	\$35 00
2nd " .....	25 00
3rd " .....	15 00
4th " .....	10 00
To detachment making shortest corrected time...	5 00

### \*5. Standing Gun Drill.

To Battery making highest points.....	\$10 00
To Battery second on list .....	5 00

To Battery rece  
questions fo  
To Battery seco

\*These additional  
practices this year.

ERRATUM.

maximum to be

*Augmented Est*

1st To C  
sent

2nd To C  
for y

3rd To C

*Original Estab*

1st To C  
sent

2nd To C  
held

3rd To C

4th To C

*Augmented E*

To

To

*Original Est*

To

To

*Augmented l*

To C

To

**\*7 Questions.**

To Battery receiving greatest number of points for answers to questions for Officers and N. C. Officers .....	\$20 00
To Battery second on list.....	10 00

\*These additional prizes are added in consequence of their being no prizes for competitive gun practices this year.

ERRATUM.—In Circular No. 1, 38<sup>4</sup> marks, instead of 25, will be the maximum to be awarded for gun-laying in each Battery.

**Garrison Artillery.**

**General Efficiency.**

*Augmented Establishment.*

1st To Company receiving highest total points, Cup presented by His Excellency the Governor-General, value.	\$50 00
2nd To Company second on list, Lansdowne Cup to be held for year and.....	40 00
3rd To Company third on list.....	25 00

*Original Establishment.*

1st To Company making highest total points, Cup presented by His Excellency the Governor-General, value.	\$50 00
2nd To Company second on list, Hugh Blaik Cup, to be held for year, and .....	30 00
3rd To Company third on list.....	20 00
4th To Company 4th on list.....	15 00

**Standing Gun Drill.**

*Augmented Establishment.*

To Company making highest points .....	\$20 00
To " second on list .....	10 00

*Original Establishment.*

To Company making highest points.....	\$10 00
To " second on list.....	5 00

**Manual and Firing and Company Drill.**

*Augmented Establishment.*

To Company receiving highest aggregate points ..	\$20 00
To " second on list .....	10 00

*Original Establishment.*

To Company receiving highest aggregate points..	\$10 00
To " second on list.....	5 00

**Questions.**

To company receiving highest aggregate points for Officers' and N. C. Officers' questions in each Establishment.....	\$20 00
To Company second on list.....	10 00

**Short Course Efficiency.**

Irrespective of Arm (Field or Garrison) to N. C. Officer or Gunner making highest decimal of credit at Royal Schools of Artillery, Quebec and Kingston, each.

1st Prize.....	\$15 00
2nd ".....	10 00
3rd ".....	8 00
4th ".....	5 00

**Royal Military College.**

Badges.—1 Silver Cross Guns. 4 Embroidered Cross Guns.	
Prizes, value.....	\$25 00

**Royal Canadian Artillery.**

Prizes, value.....	\$50 00
--------------------	---------

Affiliation fees and subscriptions for 1895 should be forwarded to the Secretary without delay.

By order,

J. B. DONALDSON, MAJOR,  
*Secretary*

OTTAWA, 3rd September, 1895.

From Captain

SIR:—I have  
granted by the  
for the cadets  
the theoretical  
For these

I have a  
sociation:—

I would  
of the Assoc  
above is of v  
cadets comp  
taken in Art  
otherwise be

ROYAL MILITARY COLLEGE.

From Captain C. English, R. A., Professor of Artillery  
To Staff Adjutant.

KINGSTON, ONT., 19th November, 1895.

SIR:—I have the honor to acknowledge the receipt of cheque, \$25.00, granted by the Dominion Artillery Association to be expended in prizes for the cadets in the 2nd and 3rd classes respectively, who are highest in the theoretical Artillery Examinations for the year 1894-95.

For these prizes I have made the following recommendations:—

2nd Class—Corp. G. H. Kirkpatrick.

3rd Class—Cadet C. Doucet.

I have also recommended for the five badges awarded by the Association:—

Corporal C. C. Wood.

Sergeant C. M. Stephen.

Corporal A. M. Russel.

“ G. H. Kirkpatrick.

“ J. H. Parks.

I would be glad if you would bring to the notice of the Committee of the Association the fact that the issue of the prizes and badges as above is of very material assistance in the instruction of Artillery. The cadets compete keenly for them, and owing to them, a greater interest is taken in Artillery drill in the winter months in the drill shed than could otherwise be expected.

I have the honor to be, Sir,

Your obedient servant,

C. E. ENGLISH, Capt., R. A.  
Professor of Artillery, R. M. C.



## Field Batteries.

### GUN-LAYING AND FUZE-BORING COMPETITIONS.

#### Hamilton Battery.

RANK AND NAMES.	Gun-laying.		Fuze-boring.	
	Time.	Points.	Time.	Points.
Sergt. Hoodless.....	2	38	59	10
"    Waring.....	2	52	51	10
"    Whitehouse.....	2	52	56	10
"    Robertson.....	.....	18	.....	.....
"    Kelly.....	.....	5	.....	.....
Corpl. Coombs.....	2	07	55	10
"    McDonald.....	2	41	46	10
"    Higginson.....	2	59	1	06
Gun. Kelly.....	2	59	1	17
"    Fitzsimmons.....	1	58	49	10
"    Dawe.....	3	52	.....	.....
"    Gearin.....	2	12	.....	.....
Sergt. Homer.....	.....	.....	45	10
Gun. Seymour.....	.....	.....	50	10
Total.....	.....	177	.....	88

#### London Battery.

Sergt. Patton.....	3	14	16	No Fuze-boring competition.
"    England.....	.....	.....	14	
Corpl. Black.....	2	08	13	
Sergt. Hyman.....	2	40	22	
"    Dean.....	3	42	.....	
Bom. Buckingham.....	2	54	8	
Corpl. Teale.....	2	35	10	
Gun. Murney.....	3	37	15	
Sergt. Taylor.....	2	55	.....	
Total.....	.....	98	.....	

Only 9 competitors.

m A (the  
side.

skids and

10' x

B

6' x 10" .. 3  
 3' x 6" .. 1  
 24" x 5" .. 2  
 14" x 5" .. 1  
 ..... 2  
 18 fms. 2  
 ..... 2  
 ..... 2  
 ..... 1  
 x 6 in. . 4  
 x 5 in. . 4  
 x 3 in. . 2  
 x 4 in. . 3

bault.  
llowes.

GUN-LAYING AND FUZE-BORING COMPETITIONS--*Continued.***Durham Battery.**

RANK AND NAMES.	Gun-laying.		Fuze-boring.	
	Time.	Points.	Time.	Points.
Sergt. Crowe .....	2 02	30	1 01	8
.. McCarthy .....	1 59	22	46	10
.. Cairns .....	2 15	27	51	5
.. Ough .....	3 19	15	51	10
.. Elmhirst .....			45	10
Corpl. Gillies .....		23	41	10
.. Kawest .....	1 36	8	34	5
.. McLean .....	2 19	24	53	5
Bom. Smith .....	2 03	28	1 25	
.. Hutcheson .....	1 50	24		
.. Staples .....	2 45	8		
.. Merrill .....	2 53	15		
Total .....		224		63

**Kingston Battery.**

Sergt. Finnegan .....	2 01	8	10
.. Whitney .....	1 52	16	6
.. Smith .....	1 54	14	10
.. Carries .....	1 49	15	10
Corpl. Molloy .....	1 47	8	
Gun. Beaton .....	3 30	5	
.. Lorris .....	2 09	23	
Corpl. Palmer .....	2 05		
Gun. Austin .....	2 50	18	10
.. Swaine .....	3 03	22	
Bom. Short .....	3 33	4	5
Corpl. Brewer .....			6
Gun. Brown .....	2 03	29	
Total .....		162	57

**Gananoque Battery.**

Corpl. Stacey .....	2 38	4	1 05	8
Sergt. Waldie .....	2 49	11	55	10
.. Toner .....	2 43	16	1 35	
Corpl. Williams .....	3 10	10	50	10
.. Moore .....	3 20	12	45	10
Gun. Leaky .....	3 25	8	1 20	
.. Germain, W .....	2 30	24	40	10
.. Pecor .....	2	15	35	5
.. Speers .....	2 56	21	55	10
Corpl. Potter .....	2 06	29	45	10
Gun. Burleigh .....	2 31	14		
.. Grant .....	Unable to lay.			
Total .....		164		73

GUN-L

Bom.  
Sergt.  
Gun.  
Bom.  
Sergt.Bom.  
Sergt.  
Corpl.

Sergt.

..

..

Corpl.

..

Bom.

..

..

S. Ma

Q M S

Gun.

Corpl.

Sergt.

Corpl.

Sergt.

Corpl.

Bom.

Sergt.

Gun.

Corpl.

Sergt.

Corpl.

Gun.

Bom.

Sergt.

..

Corpl.

Gun.

..

..

## GUN-LAYING AND FUZE-BORING COMPETITIONS—Continued.

## Ottawa Battery.

RANK AND NAMES.	Gun-laying.		Fuze-boring.	
	Time.	Points.	Time.	Points.
Bom. Kerr .....	1 55	16	1 03	8
Sergt. Paynter .....	2 06	28	56	10
Gun. Lievers .....	2 16	8	.....	.....
Bom. Belford .....	1 45	32	.....	.....
Sergt. Eldridge .....	1 32	32	47	10
“ Thompson .....	2 06	30	1 09	6
Bom. Weir .....	2 31	23	1 06	6
Sergt. Curson .....	1 36	32	45	10
Corpl. Elkie .....	2 07	21	58	10
“ Stewart .....	1 48	16	1 01	8
“ Pamplin .....	2 03	22	1 05	8
“ Shore .....	1 59	30	1 23	.....
Total .....	290		76	

## Quebec Battery.

Sergt. Moisan .....	1 58	30	.....	.....
“ Berube .....	1 55	31	53	10
“ St. Pierre .....	1 24	32	50	10
“ Laporte .....	2 01	28	53	8
Corpl. Jobin .....	1 45	31	52	10
“ Cloutier .....	1 48	31	.....	.....
Bom. Berube .....	1 34	32	50	10
“ Dorval .....	1 34	31	50	8
“ Bouchard .....	2 09	29	39	10
“ Lepine .....	1 48	30	.....	.....
S. Maj Bertrand .....	1 32	32	30	10
Q M S Hamel .....	1 56	31	.....	.....
Gun. Lefavre .....	.....	.....	50	6
Corpl. Pourtier .....	.....	.....	13½	6
Total .....	368		88	

## Sheffield Battery.

Sergt. Donnelly .....	1 35	30	50	10
Corpl. Yarnold .....	1 40	19	.....	.....
Sergt. Lussiere .....	4 52	19	45	10
Corpl. Weatherby .....	2 55	20	.....	.....
Bom. King .....	1 45	23	1 4	8
Sergt. Dumontier .....	1 59	30	.....	.....
Gun. Farmer .....	2 24	25	.....	.....
Corpl. Cox .....	3 08	8	.....	.....
Sergt. Flemming .....	2 00	23	.....	.....
Corpl. Reynolds .....	2 03	30	.....	.....
Gun. Galbraith .....	2 24	8	.....	.....
Bom. Seale .....	1 44	32	.....	.....
Sergt. Demers .....	.....	.....	1 05	8
“ Clemens .....	.....	.....	1 15	4
Corpl. Seale .....	.....	.....	40	10
Gun. Foster .....	.....	.....	1 57	.....
“ Quinn .....	.....	.....	1 25	.....
“ Wood .....	.....	.....	57	10
“ Blake .....	.....	.....	1 28	.....
Total .....	267		60	

GUN-LAYING AND FUZE-BORING COMPETITIONS—*Continued.***Newcastle Battery.**

RANK AND NAMES.	Gun-laying.		Fuze-boring.	
	Time.	Points.	Time.	Points.
Corpl. Russell .....	1 38	32	1 10	8
Bom. Campbell .....	1 53	23	1 10	8
Sergt. Lawlor .....	1 30	31	1 .....	10
“ F. Jones .....	1 27	30	1 10	8
“ Black .....	1 22	31	1 05	9
“ Jones .....	1 38	29	.....	.....
Corpl. Graham .....	1 24	31	.....	.....
Gun. Harrison .....	1 29	31	.....	45 10
“ Crocker .....	1 29	32	1 05	9
“ McKay .....	1 23	32	.....	.....
“ Drysdale .....	1 49	30	.....	.....
Corpl. Dryott .....	1 25	32	.....	.....
S. Maj Russell .....	.....	.....	1 10	8
Bom. Fitzgerald .....	.....	.....	1 .....	10
“ Atkinson .....	.....	.....	1 05	9
Total .....	.....	364	.....	89

**Woodstock Battery.**

Sergt. Smith .....	1 31	23	.....	.....
S. Maj Scott .....	2 05	22	1 06	8
Sergt. Dysart .....	1 45	32	.....	44 10
“ Tims .....	1 26	31	.....	57 10
Corpl. Dibblee .....	1 32	30	.....	49 10
“ Thompson .....	1 55	21	.....	52 10
“ Peabody .....	2 04	20	.....	51 10
Bom. Porter .....	1 18	24	.....	55 10
“ Ryan .....	1 35	31	1 12	7
Corpl. Brewer .....	1 07	32	.....	55 10
“ Smith .....	1 09	32	.....	.....
Bom. Welsh .....	1 17	32	.....	.....
Sergt. Smith .....	.....	.....	.....	45 10
Total .....	.....	330	.....	95

## GUN-LAYING AND FUZE-BORING COMPETITIONS--Continued.

## Sydney Battery.

RANK AND NAMES.	Gun-laying.		Fuze-boring.	
	Time.	Points.	Time.	Points.
S. Maj Downing .....	2 04	31	.... 59	10
Sergt. T. Downing .....	1 57	31	.... 50	10
Q M S McMullin .....	.....	.....	.... 54	10
Sergt. McMullin .....	2 12	22	.... 45	10
“ Ferguson .....	.....	.....	.... 44	10
“ McDonald .....	1 34	24	.... 44	10
Corpl. Curling .....	1 41	22	1 00	10
“ McClellan .....	1 34	31	1 55	....
“ McDonald .....	2 07	28	.... 50	10
“ Howard .....	2 14	27	.... 52	10
Sergt. Ferguson .....	2 53	26	....	....
Bom. Hickey .....	1 42	32	....	....
Gun. Scouplie .....	2 15	21	....	....
“ McLeod .....	2 17	23	....	....
Total .....		318		90

## Winnipeg Battery.

Bom. Edwards .....	2 53	16	1 15	7
Sergt. Quealy .....	1 25	21	.... 48	10
“ Tennant .....	2 55	20	.... 58	10
Gun. Knight .....	7 35	....	....	....
“ Stalker, J. S. ....	2 39	15	.... 64	9
Sergt. Little .....	3 08	16	.... 58	10
Gun. Humphrey .....	4 33	1	....	....
Corpl. Carter .....	3 20	15	.... 56	10
“ Roach .....	2 36	22	1 08	6
Sergt. Robertson .....	1 47	31	.... 58	10
Bom. Cole .....	3 26	14	1 05	9
Gun. Murray .....	2 38	23	1 00	10
Total .....		194		91



## General Efficiency—Garrison Artillery.

## INCREASED ESTABLISHMENT

REGIMENT.	Company.	OFFICER COMMANDING.	Clothing and Accountments.				Manual and Firing. Company Drill.		Gun Drill.	Discipline and Interior Economy.	Ques- tions.		N. C. Officers. Absentees.	Total.	Officers Absent.	INSPECTING OFFICER.
			10	20	20	80	10	40			48	..				
		Full Marks....	10	20	20	80	10	40	48	..	228	..				
Montreal .....	1	Major McEwen ...	10	17	15	72	9	29	46	3	195	1		} Lt.-Col. Montizambert.		
	2	" Ogilvy .....	10	16	14	67	9	28	33	6	171	1				
	3	" Reid .....	10	18	16	71	9	31	42	6	191	1				
Halifax .....	1	" Garrison ...	9	16	14	70	9	30	44	15	177	..		} do.		
	2	" Hesslein ...	9	17	17	75	9	35	39	23	178	..				
	3	" Maxwell ...	9	15	17	65	9	34	44	19	174	..				
	4	" Stewart ...	9	17	16	75	9	32	41	27	172	..				
British Columbia	1	" Sargisson ...	8	18	17	26	8	30	33	37	103	1		} Lt.-Col. Peters.		
	2	" Williams ...	7	5	16	33	8	24	39	50	93	5				
	3	" Gregory ...	9	20	19	51	9	16	47	33	136	3				
Quebec Company..	4	Lieut. Clinton ...	10	13	13	..	7	22	48	24	89	..		} Captain Fages.		
	5	Major Townley ...	8	5	19	18	..	8	39	45	22	115	5			
		" Hudon .....	7	16	15	68	7	24	32	5	164	2				

## OLD ESTABLISHMENT.

		Full Marks....	10	20	20	80	10	48	72	..	260	..		
New Brunswick	1	Capt. Crawford ...	9	17	18	75	9	47	71	..	246	..	} Lt.-Col. Montizambert.	
	2	" Baxter .....	9	17	16	73	9	45	68	..	237	..		
	3	" Gordon .....	9	16	17	73	9	27	69	8	199	1		
	4	" Armstrong..	9	17	17	70	9	42	69	2	231	..		
P. E. Island .....	5	" White .....	8	14	18	30	8	31	27	12	124	1	} do.	
	1	" Davidson ...	10	18	17	75	10	45	72	..	248	..		
	2	" Moore .....	10	19	17	71	10	48	64	..	239	..		
	3	" Owen .....	9	15	10	75	10	31	72	2	220	1		
	4	" Brennan ...	7	12	8	60	8	44	59	3	195	..		
Mahone Bay Co...	5	Lieut. Fraser ...	9	12	8	40	8	31	63	..	171	1	} do.	
		Capt. Ernst .....	8	13	12	36	10	32	35	8	138	1		
Digby Co.....		Major Daley .....	7	12	12	37	8	13	47	12	124	..	} Captain Fages.	
Yarmouth Co .....		" Jolly .....	9	15	15	38	10	40	61	4	184	..		
No. 2 Levis .....		" Vien .....	6	16	15	65	7	48	65	..	222	..	} Lt.-Col. Cotton.	
Cobourg Co.....		Capt. Macnachten	8	18	20	80	10	32	70	..	238	..		
*Pictou Co.....		" Craig .....	..	..	..	..	..	..	..	..	..	..	} Captain Fages.	
No. 1 Co., Levis ...		" Martineau...	8	18	17	75	9	..	..	..	..	..		

\*Nct yet drilled.

The following are the questions issued by the Department of Militia in connection with the General Efficiency Competition.

### Field Artillery Officers.

*Questions (value 10 each).*

1. What is the difference between "Fire Discipline" and "Discipline under Fire"? What are the principal points which influence the former?
2. State briefly the procedure to be adopted in coming into action by the deliberate method—
  - (a) By the Brigade Commander.
  - (b) By the Battery Commander.
3. Detail briefly the system of ammunition supply from waggons.
4. Describe the system of laying by clinometer and obtaining the required elevation when the target is above or below the battery. Explain the detail, on parade, for the following:—
  5. From line to diminish or increase intervals (on the move).
  6. From line to change front on a flank sub division.
  7. A quarter column of sections to change front to a flank.
  8. Limbering up "To the Front, Rear, Right or Left."

NOTE.—Not more than two of the above questions to be put to each officer present at inspection. No special order or precedence to be observed, and the same questions not to be asked twice. Officers absent from inspection may, if possible, be afforded an opportunity of answering the questions, provided they have attended annual drill, and their absence be satisfactorily accounted for.

By order,

D. T. IRWIN, LIEUT.-COLONEL,

*Asst. Adjt. General for Artillery.*

### Field Artillery N. C. Officers.

*Questions (value 8 each.)*

1. State driver's duties after a march, on arrival in stables or on the camping ground.
2. Define the meaning of Angle of Elevation, Quadrant Angle, Angle of Sight, Lateral Deviation and Deflection.
3. Why is it necessary to burst Shrapnel closer to the object as the range increases?

4. If the width of a target is known, how can the range be approximately found by using the deflection scale only?
5. What are the "Rates of Fire" and when used?
6. Describe how to fit the "head-collar," "head-stall," "leading rein" and "bearing rein."
7. What are the principal items of the preparation on the command "Prepare for Action"?
8. Detail instructions for drivers on the command "Action, Front, Rear, Right and Left"; supply being from the Limbers.
9. Detail the signals used at Field Gun Drill.
10. Define the term Section, Open Column, Battery Quarter Column, Outer and Inner Flank.
11. Detail the posts of Battery Staff Sergeants when mounted.
12. Detail the signals used in Field Movements.
13. Describe briefly the Common and Sharpnell shell.
14. State the rule for deflection, one wheel being higher than the other.
15. How is harness disposed of in camp?
16. Describe how guns are laid when the target cannot be seen from the battery.

NOTE.—Not more than two of the above questions to be put to each Sergeant or Corporal present at inspection. No special order or precedence to be observed, and the same question not to be asked twice. N. C. Officers absent from inspection may, if possible, be afforded an opportunity of answering the questions provided they have attended the annual drill and their absence is satisfactorily accounted for.

By order,

D. T. IRWIN, LT.-COLONEL,

*Asst. Adjt. General for Artillery.*

## Garrison Artillery Officers.

*Questions (value 8 each.)*

1. Explain what is meant by the accelerating force of gravity, and gravimetric density.
2. State briefly the use of common shell and armour piercing projectiles, and their relative penetrating powers.
3. Define the meaning, as applied to coast artillery, of a *tactical unit, group, section, fire direction.*
4. State briefly the duties of the Fire Commander in action.

5. What are the different "Orders of Fire" and when used.
6. Explain the method of testing for qualified layers.

NOTE.—Not more than two of the above questions to be put to each officer present at inspection. No special order or precedence to be observed, and the same question not to be asked twice. Officers absent from inspection may, if possible, be afforded an opportunity of answering the questions, provided they have attended annual drill, and their absence is satisfactorily accounted for.

By order,

D. T. IRWIN, LIEUT.-COLONEL.  
*Asst. Adjt. General for Artillery.*

### Garrison Artillery N. C. Officers.

*Questions (value 6 each).*

1. Define the meaning of calibre, windage, line of sight, angle of sight, quadrant angle, jump.
2. How are common and sharpnel shell marked?
3. What time and percussion fuzes are used with 9-in. and 64 pr. R. M. L. and 40-pr. R. B. L. guns?
4. Describe briefly tin cups, Primers for sharpnel shell, primers for vent pieces, wedge wads.
5. Explain briefly the meaning of "group," "fort," "manning details."
6. State the description of powder and weight of service charges for the 64-pr. and 9 in. R. M. L. and 40-pr. R. B. L. guns.
7. Describe a parbuckle rope, and drag rope, state the rule for finding the safe working strain of any rope.
8. Show how to make a single bend, a rolling hitch, cat's paw.
9. What is the relation between the power and the weight in the first and second orders of the levers.
10. Describe how to parbuckle a gun on level ground.
11. Describe how to fix steadying handspikes.
12. Describe briefly the 15 in. sec. fuze.

NOTE.—Not more than two of the above questions to be put to each Sergeant or Corporal present at inspection. No special order or precedence to be observed, and the same question not to be asked twice. N. C. Officers absent from inspection may, if possible, be afforded an opportunity of answering the questions provided they have attended the annual drill, and their absence is satisfactorily accounted for.

By order,

D. T. IRWIN, LIEUT.-COLONEL,  
*Asst. Adjt. General for Artillery.*

## Drill and Driving Competition.

CONDITIONS—SAME AS FOR 1894.

BATTERY.	No. of Sub-division.	ACTUAL TIME.		Sec. Added for Errors.	CORRECTED TIME.		AVERAGE TIME.		REMARKS.
		Minutes.	Seconds.		Minutes.	Seconds.	Minutes.	Seconds.	
"A" R. C. A.	1	1	47 1/5	10	1	57 1/5			
	2	1	49	5	1	54			
	3	1	57 1/5	15	2	12 1/5			
	4	2	50 2/5	20	3	10 2/5			
	5	1	56 1/5	10	2	06 1/5			
	6	1	40	10	1	50	2	11 2/3	
Durham	1	2	30	13	2	43			
	2	2	41	18	2	59			
	3	2	58	5	3	03			
	4	2	34	12	2	46	2	52 3/4	
Hamilton	1	2	32 2/5	10	2	42 2/5			
	2	2	45 2/5	15	3	00 2/5			
	3	2	47	15	3	02			
	4	2	49	10	2	59	2	55 4/5	
Ottawa	1	2	47 4/5	10	2	57 4/5			
	2	3	21	23	3	44			
	3	3	28 2/5	18	3	46 2/5			
	4	2	44 4/5	11	2	55 4/5	3	21	



5th "Kingston" Battery	Four competitors with same number of points	{	\$3 00
		}	2 00
8th "Gananoque" "	Gunner W. Germain	.....	3 00
" "	Corporal Moore	.....	2 00
10th "Woodstock" "	Sergeant Dynart	.....	3 00
" "	" Smith	.....	2 00
12th "Newcastle" "	" Black	.....	3 00
" "	Corporal Russell	.....	2 00
13th "Winnipeg" "	Sergeant Quealy	.....	3 00
" "	Three men tied for second place	.....	2 00
14th "Durham" "	Corporal Kawest	.....	3 00
" "	" Gillies	.....	2 00
15th "Shefford" "	" Seale	.....	3 00
" "	Sergeant Lussiere	.....	2 00
17th "Sydney" "	" Ferguson	.....	3 00
" "	" McDonald	.....	2 00

STANDING GUN DRILL.

1st Prize—2nd "Ottawa" Battery	.....	\$10 00
2nd " —4th "Hamilton" Battery	.....	5 00

DRILL AND DRIVING

1st Prize—14th "Durham" Battery	.....	\$35 00
2nd " — 4th "Hamilton" Battery	.....	25 00
3rd " — 2nd "Ottawa" Battery	.....	15 00

Only 3 Batteries competed.

ANSWERS TO QUESTIONS.

1st Prize—2nd "Ottawa" Battery	.....	\$20 00
2nd " —13th "Winnipeg" Battery	.....	10 00

GARRISON ARTILLERY.—Increased Establishment.

GENERAL EFFICIENCY.

1st Prize—No. 1 Company, Montreal Regiment	.....	Cup or trophy, value	\$50 00
2nd " —No. 3 " "	.....	" "	40 00
3rd " —No. 2 " Halifax "	.....	" "	25 00

GUN DRILL.

1st Prize—No. 1 Company, Halifax Regiment	.....	} tie, each	\$15 00
2nd " —No. 4 " "	.....		

MANUAL AND FIRING AND COMPANY DRILL.

1st Prize—No. 3 Company Halifax Regiment	.....	} tie, each	\$15 00
2nd " —No. 3 " Montreal Regiment	.....		

ANSWERS TO QUESTIONS.

1st Prize—No. 3 Company, Halifax Regiment	.....	\$20 00
2nd " —No. 1 " Montreal "	.....	10 00

## Original Establishment

## GENERAL EFFICIENCY.

1st Prize—No. 1 Company P. E. I. Regiment.....	Cup or trophy, value	\$50 00
2nd " —No. 1 " New Brunswick Regiment .....		30 00
3rd " —No. 2 " P. E. I. Regiment .....		20 00
4th " —Cobourg Company.....		15 00

## ANSWERS TO QUESTIONS.

1st Prize—No. 1 Company New Brunswick Regiment } tie, each .....	\$15 00
2nd " —No. 1 " P. E. I. Regiment .....	

## GUN DRILL.

1st Prize—Cobourg Company .....	\$10 00
2nd " —3 Companies tied for second place .....	5 00

## MANUAL AND FIRING AND COMPANY DRILL.

1st Prize—Cobourg Company .....	\$10 00
2nd " —No. 2 Company, P. E. Island Regiment .....	5 00

## SHORT COURSE EFFICIENCY.

## KINGSTON.

	Aggregate Percentage.	
Q. M. Sergeant A. E. Hutcheson, No. 14th "Durham" Field Battery, ..	79	\$15 00
Sergeant W. H. Wilson .....	No. 4th "Hamilton" Field Battery ...	77.33 10 00
Gunner R. Miller .....	" " .....	77.33 8 00
Bombardier F. J. Elmhurst.....	No. 14th "Durham" " .....	71.22 5 00

## QUEBEC.

Sergeant A. Tracy.....	No. 1 "Quebec" Field Battery .....	86.25 \$15 00
Gunner J. Hyman.....	No. 6 "London" " .....	82.41 10 00
Corporal C. Baitson .....	No. 9 "Toronto" " .....	82.3 8 00
Gunner A. E. Ingraham.....	N. B. Regiment .....	82 5 00



# Report of the Executive Committee.

## FIELD ARTILLERY PRACTICE.

1. Owing to the very late date (3rd August) on which the order for Annual Drill was published, the limited period allowed for drill, and the reduced vote for drill pay, etc., it was not found possible to make arrangements for competitive gun practice.

2. Range-finding practice, at which credits were awarded for fire discipline, was, however, very successfully carried out by the twelve batteries which performed their annual drill in 1895.

3. Prizes were awarded by the Association for a general competition in Gun-laying, Questions and Standing Gun Drill, and also for battery competitions in Gun-laying and Fuze-boring.

4. The general result of these competitions, as shown in the published returns, and of the general system of combining Range-finding and Fire-discipline at the annual inspection must be considered as very satisfactory and encouraging, and indicates in nearly every instance a very considerable amount of preliminary training and instruction at voluntary drills.

5. The Committee suggest that in future the gun-laying and fuze-boring competitions be for battery prizes only and be conducted by the officer commanding the battery before the inspection, as, under ordinary conditions, there is not sufficient time to hold these competitions on the day of inspection. It is also suggested, as an alternative, that the number of gun-layers be reduced from 12 to 6 and those for fuze-boring to 4. These competitors to be previously selected, by trial, by the officer commanding the battery.

6. The Committee are glad to notice that the special courses held at Kingston during May were attended by six Majors and ten Captains of batteries, and hope that these courses may be continued and their advantages participated in by all Field Artillery officers.

## DRILL AND DRIVING COMPETITION.

7. Owing to the limited period allowed for drill only three batteries were able to enter for this competition: best time, 2 min. 52 $\frac{3}{4}$  secs., by Durham Battery. "A" Battery, R. C. A., established a record for the average time of six sub-divisions in 2 min. 11 $\frac{2}{3}$  secs.

**EFFICIENCY COMPETITION.**

8. The Committee regret that in accordance with Rule 17 of the Association, those batteries which were unable to perform their annual drill during 1895, are in consequence debarred from this competition.

A change in the rules assimilating the Association Year with Financial Year will be submitted for consideration.

**GARRISON ARTILLERY.**

9 The previous remarks in Paragraph 1 apply equally to this branch of the service, and it is much to be regretted that the Garrison Artillery practice and training in connection with the Royal Artillery of Halifax, for the Artillery in Nova Scotia, could not be continued. Garrison Artillery practice with 64-pr. R.M.L. and 40-pr. R.B.L. guns at the Island of Orleans, Quebec, and with 40-pr. R.B.L. guns only, at Charlottetown, P. E. I., was, however, carried out.

10. The system adopted, was, as nearly as possible in accordance with the "group firing" and single gun competitions held at Shoeburyness, which while eliminating the individual observation and independence of the gun-layer, is yet productive of the best training in Fire Discipline, and so far as the drill is concerned, is in exact accordance with the regulations.

11. It is recommended that, for this year, the above competitions, in addition to the instructional camp at Halifax, may be authorized and that, if arrangements can be made, an artillery team should be sent to join in the competitions held at Shoeburyness.

12. The Committee would be glad to have their number increased by two additional officers, one from each branch of the service.

Signed, D. T. IRWIN, Lt.-Col., *Chairman.*

C. E. MONTIZAMBERT, Lt.-Col., I. of A.	} <i>Members.</i>
W. H. COTTON, Lt.-Col., I. of A.	
A. H. MACDONALD, Lt.-Col.	
F. MINDEN COLE, Lt.-Col.	

To the  
S  
has n  
not b  
?  
?  
who

acti

## Secretary's Report.

*To the President of Council:*

SIR,—It is my pleasing duty to record the fact that the Association has now completed its twentieth year of work. A brief retrospect may not be out of place.

The first General Meeting was held on the 22nd February, 1876.

The following is a list of the names (as shown in the records) of those who were present on that occasion:—

Major-General Selby Smyth, in the chair.

Lt.-Colonel T. Bland Strange, Inspector of Artillery.

“ D. T. Irwin, “ “

“ Maunsell, D. A. G.

“ Ross, G. G. F. G.

“ Worsley, Bde. Major.

“ Wily, Director of Stores.

“ J Macpherson.

“ Lyttleton, Grenadier Guards, Military Secretary.

“ Ford Jones.

“ Panet, D'y Minister of Militia.

“ Stevenson, Montreal Field Battery.

“ Egleson, Ottawa Bde. of Garrison Artillery.

“ Kirkpatrick, M. P., 47th Battalion.

Major Montizambert, C. A.

“ the Hon. H. Aylmer, Richmond Field Battery.

“ Moore, 13th Battalion.

“ McKenzie, Gananoque Field Battery.

Captain Selby Smyth, A. D. C.

“ White, C. A.

“ Patrick, O. B. G. A.

“ H. Smith, 47th Battalion.

“ Wicksteed.

Lieutenant J. Cotton, C. A.

“ Wilson.

“ Billings, Ottawa Field Battery.

“ Russell, O. B. G. A.

Ensign Toller, G. G. F. G.

Time has worked its usual changes in the list—but few remain in active membership.

The Association was launched under favorable auspices. His Excellency the Earl of Dufferin, Governor General, being the first Patron, with their Honors the Lieut-Governors of Provinces as Vice-Patrons; Major General Selby Smyth, Comdg. the Militia, President of the Association; and Lt.-Colonel T. Bland Strange, President of the Council.

The object for which it was formed was announced to be the development of gunnery skill and the dissemination of Artillery knowledge throughout the Dominion of Canada. Towards the accomplishment of this end it has steadily persevered, and with such a measure of success as fairly entitles it to a place amongst the recognized institutions established in connection with the Militia.

The annual grant from Government, the affiliation fees of the different units, and the subscriptions of the individual officers, have enabled the association to meet the necessarily limited expenditure. With reference to the Government Grant, it may be safely asserted that no money has ever been paid by it for which a better return has been received. The whole amount is expended for purely Militia purposes.

Three teams proceeded to England, under the auspices of the Association, to compete with the members of the National Artillery Association of Great Britain at Shoeburyness.

The sending of the first team in 1881 was due to the liberality and exertions of Lt.-Colonel W. R. Oswald, his efforts being supported by the Hon. Sir A. P. Caron, then Minister of Militia, who obtained a vote of two thousand dollars from the Government and Parliament for the purpose. Much interest was taken in the movement by the then Governor General, His Excellency the Marquis of Lorne, who obtained the necessary authority from the Imperial Government and the co-operation of the Council of the National Artillery Association. The courtesies extended to the members of the several teams, their reception and treatment during their stay in England by the members of the National Artillery Association far exceeded expectation.

The Commandants of the respective teams were:—

- 1881—Lt.-Colonel W. R. Oswald, Comdg. Montreal Bde. G. A.
- 1883— " A. H. Macdonald, Comdg. 1st Bde. Fd. Art.
- 1886— " J. R. Armstrong, Comdg. N. B. Bde., G. A.

The Council of the Association have been unable to continue sending teams even at extended intervals, owing to the difficulty of procuring the necessary funds—a fact to be regretted, for not only the Association, but the country generally, benefitted by the presence of the team in England. The following extract from the *Volunteer Gazette* will convey an idea of the impression produced by the presence of the last team which represented Canada:—

"The meeting has been marked by two incidents of special interest—the presence throughout the two weeks of Colonel Armstrong's splendid Canadian team, and the attendance of Lord Wolseley at the prize distribution. The appearance of the Canadians ought to put our men on their mettle. We are quite aware that the former are picked men—and are picked, moreover, in a way in which it would never be possible for us to pick a team to go to Canada or any other Colony. But even allowing for this, we must say that we have seldom seen such a body of soldiers as the Canadian Artillerymen who have just left Shoeburyness. Nobody, we think, who saw those clean-limbed giants perform the 'shift' for the Governor General's cup, on Tuesday, will ever forget the sight. Their march past later in the day, in full panoply was equally good in a different way. And they, or a great many of them, show by their medals that they can do, and have actually done, more trying and important work than par-buckling a sixty-four pounder up to its carriage, or marching past the Adjutant-General. They will return home, indeed, laden with the spoils of their recent peaceful campaign. Our men have prevented them, not without serious difficulty, from carrying off the Queen's prize, but with their prowess with the Armstrong, they have recovered the Montreal cup, which Colonel Ray and his men brought back from Canada two years ago; they have taken away the Londonderry cup from the best team we could bring against them, and they have refused even to let the prize given by their own Governor General for excellence in repository work remain among us. Moreover, they have won a first prize for shell firing and a certificate in the ordinary repository competition, so that there will be rejoicing, fully justified, in Canada."

The selection of the team mentioned above in the remarks of the *Volunteer Gazette*, was really its weak point—some of the members came from places 3,000 miles apart, had never met before, and six of the team selected from the Field Artillery had never drilled previously with a garrison gun.

Should not such a record of combined effort have met with more encouragement.

A team of members of the English Volunteer Artillery under command of Lt.-Colonel Ray, 1st Middlesex Artillery, with Capt. Cameron as Adjutant, came to Canada in 1884 under the auspices of the National Artillery Association and competed at gun practice and shifting ordnance with the members of this Association. Several prizes were offered for competition, among others a cup designated the Queen's prize was graciously donated by Her Majesty specially for this competition. This was won and taken back to England by the visiting team. This Association regrets that the Council of the National Artillery Association has been

unable to see its way to a recurrence of the visit. There is no doubt that if it were possible to have these friendly contests from year to year in England and Canada alternately it would do much to interest the public and incite our own men to increased efficiency.

Four years in succession the Association offered a prize for the best essay written by officers of the Militia on Military subjects. The first year the prize, a medal presented by His Excellency the Earl of Dufferin, was won by Lt.-Colonel Montizambert; an essay written by the late Lt.-Colonel Oscar Prevost received *honorable mention*. The second year the prize was won by Lt.-Col. Holmes, an essay by Lt.-Col. Cotton receiving *honorable mention*. The third year no award was made—essays submitted not being, in the opinion of the judges, of sufficient merit. The fourth year there was no response made to the circular issued. After two years of failure it was decided to discontinue the competition. Could not such a competition be made interesting to the graduates of the Royal Military College—there is room for literature on military subjects?

At a General Meeting held on the 4th March, 1885, Major (now Sir Francis) de Winton, R.A., Military Secretary, stated "that His Excellency the Governor General, (Marquis of Lorne) had desired him to state to the Association that he fully recognized the necessity of fostering the Artillery Arm, and that with a view of assisting in so doing he would give a Cup to be competed for in such a way as the Council may decide." At a Meeting of Council, held subsequently, it was proposed by Captain McCrae and seconded by Major (now Lt.-Colonel) Macdonald "that His Excellency be requested to sanction the Cup presented by him being held for the year by the Officer Commanding the most efficient Field Battery, such efficiency to include gunnery knowledge, discipline, drill, target practice, etc."

From this originated the present General Efficiency Competition. His Excellency the next year, donating a second Cup for competition by the Garrison Artillery. The first Cup for Field Artillery was won by the Battery commanded by Captain McCrae, then known as the Ontario Field Battery, now the 16th Field Battery or No. 2 Battery, 1st Brigade, Field Artillery.

Reference to the details of these competitions will show how far reaching they are—entering into every detail, theoretical and practical, they are calculated to test the qualifications of all ranks with minuteness. The desire to occupy a place well up on the list has always necessitated a careful attention to everything in connection with the personnel, horses and equipment of a Field Battery and similarly with different details in the case of the Garrison Artillery. It is not to be wondered at, then, that to be the winner of His Excellency's prize for General Efficiency has been

considered a position of honour and worthy of strenuous exertion. The amount of good these competitions have effected is beyond calculation. The Association appreciates the generosity which each successive Governor General has shown in continuing the donations of Cups for these competitions. His Excellency the Earl of Aberdeen at the last General Meeting increased the number of Cups to three in order to meet a difficulty which had arisen in the Garrison Artillery Competition owing to a difference in the establishment of the units which necessitated a second scale of credits.

The successive Governors-General, commencing with His Excellency the Earl of Dufferin have done much by their patronage, by words of encouragement, by offering prizes for competition and by attendance at prize meetings to advance the interest taken in the Association.

The thanks of the Association are due to the successive Ministers of Militia and to the General Officers in Command for the manner in which they have received and acted upon so many of the recommendations made by its representatives. Sir Adolphe Caron owing to his long tenure of office as Minister of Militia has taken no small part in bringing about the success of the Association. With reference to the recommendations made from time to time it may be stated that they were as few as possible, consistent with efficiency, and it cannot be proved that any of them were not, even when not acted upon, of actual necessity.

Colonel Powell, the first Vice-President of the Association has always proved its sincere friend and helper in its many trials.

To the first President of Council, Major-General T. Bland Strange, the Artillery of the Dominion owe a debt of gratitude. Few know how hard he worked. He still occupies a warm place in the affections of those who were immediately associated with him.

The Inspectors of Artillery are with us—their work needs no comment.

---

Notwithstanding the lateness of the orders authorising the Annual Drill for 1895-6, the affairs of the Association are satisfactory.

The following is a summary of the affiliations:—

Royal Military College.

"A" Battery, R. C. A.

"B" " "

Nos. 1 and 2 Companies, R. C. A.

17 Field Batteries.

8 Garrison Companies (increased strength).

13 " " (old establishment).

It will be observed that all the Field Batteries have again affiliated and this, notwithstanding the fact that some of them were unable to drill.

The Cups referred to in the last report as being due for 1892, have been received from the Right Hon. the Earl of Derby, and after being engraved, forwarded to the units entitled to them. The recipients have expressed their pleasure at the handsome appearance of the prizes—they were well worthy of their donor.

The trustees appointed at last meeting have invested the money as directed and the mortgage is in the Secretary's charge.

A copy of Rules as revised by the Committee appointed for the purpose is submitted for consideration.

The Government grant for 1895-6 having been held back for a considerable time, although recommended for payment by the responsible officers of the Department, was the cause of considerable delay in the issue of the Prize List—some of the Batteries had completed their Annual Drill before they were made aware of the details for which prizes were offered. The Association after a record of twenty years might possibly be trusted with administering the small amount given to it with due regard to efficiency and economy.

His Honor the Lieutenant-Governor of Manitoba has accepted the office of Vice-Patron of the Association.

Major Ogilvy, Montreal Regiment, C. A., having paid the necessary fee is eligible for election to life membership.

It is suggested that the five Field Batteries which were unable to drill during 1895, be allowed the individual prizes for fuze-boring and gun-laying when the commanding officer certifies that the competition has been duly carried out, and submits the names of the men entitled to receive them.

J. B. DONALDSON, Major,  
*Secretary-Treasurer.*