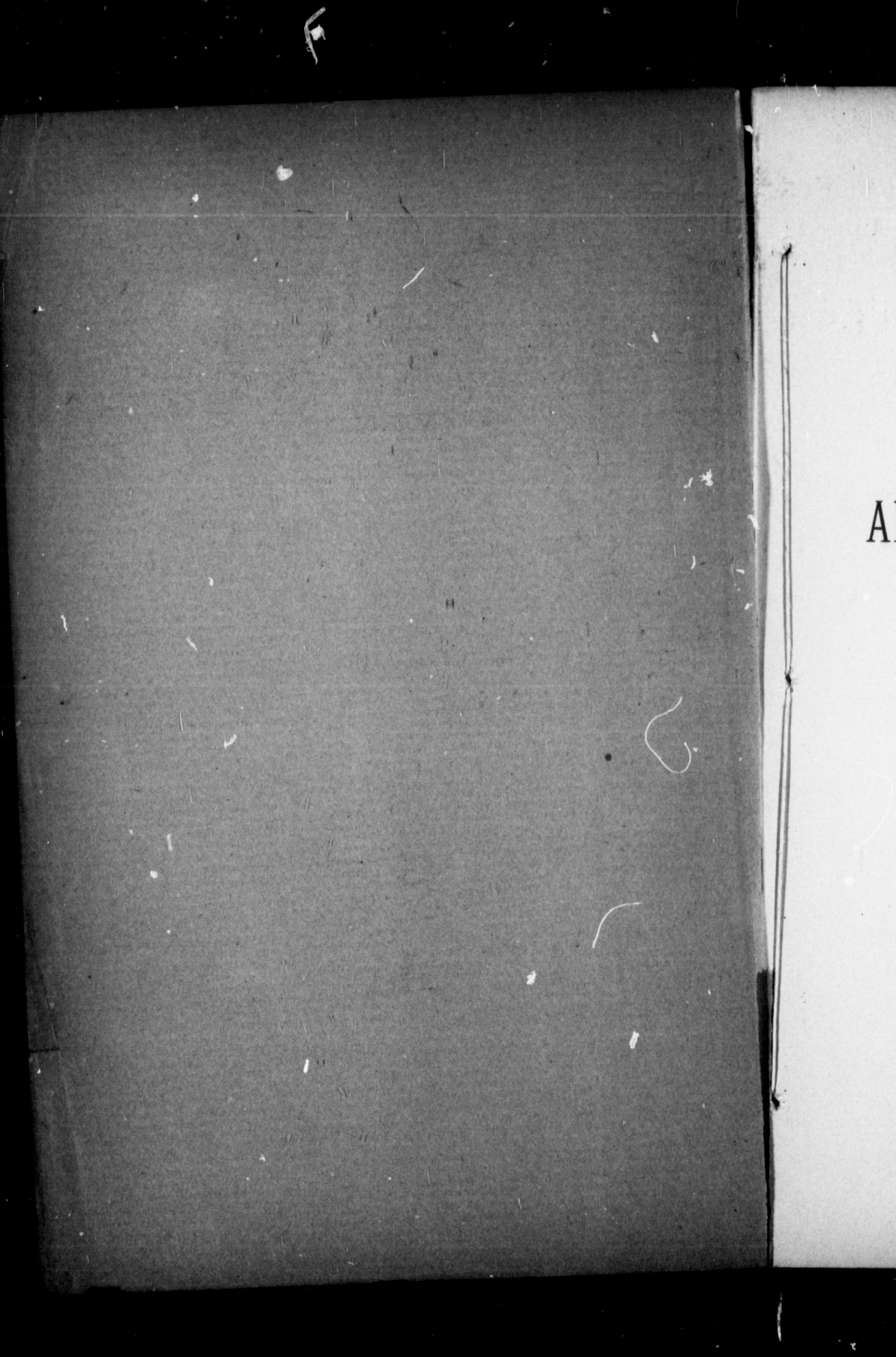


ANNUAL REPORT
—OF THE—
DOMINION
ARTILLERY ASSOCIATION
FOR THE YEAR 1890.



OTTAWA:
PRINTED AT THE OFFICE OF THE CANADIAN MILITIA GAZETTE.
1891.

A
358-
D71



A

A
355-
D71

ANNUAL REPORT
— OF THE —
DOMINION
ARTILLERY ASSOCIATION
FOR THE YEAR 1890.



OTTAWA:
PRINTED AT THE OFFICE OF THE CANADIAN MILITIA GAZETTE.
—
1891.

H

H
H
H
H
H
H
H
H
Co

Li

Li

DOMINION ARTILLERY ASSOCIATION.

1890.

PATRON.

HIS EXCELLENCY LORD STANLEY OF PRESTON, G. C. B., &C.,
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 A. P. CARON, K.C.M.G., Minister of Militia and Defence.
COLONEL WALKER POWELL, Adjutant-General.

PRESIDENT.

LIEUT.-GENERAL SIR FRED. MIDDLETON, C.B., K.C.M.G.
(Resigned 20th August, 1890.)

VICE-PRESIDENTS.

LIEUT.-COLONEL A. A. STEVENSON, Comdg. Montreal Field Battery.
" A. E. CURREN, A.D.C., Comdg. Halifax Bde. Gar. Art.
" J. R. ARMSTRONG, A.D.C., Comdg. N. B. Bde. Gar. Art.
" E. G. PRIOR, A.D.C., M.P., Comdg. B. C. Bde. Gar. Art.

COUNCIL FOR 1890.

PRESIDENT.

LIEUT.-COLONEL TURNBULL, Comdg. Brigade Garrison Artillery, Montreal.

VICE-PRESIDENTS.

LIEUT.-COLONEL J. PETERS, Comdg. London Field Battery.

" F. S. MOORE, Comdg. P. E. 1 Bde. Garrison Artillery.

MAJOR MEAD, Comdg. Toronto Field Battery.

" LINDSAY, Comdg. Quebec Field Battery.

MEMBERS (*Ex officio*).

COLONEL THE HON. C. E. PANET, Dep. Minister of Militia, Ottawa.

LT.-COLONEL J. MACPHERSON, Director of Stores, Ottawa.

" A. A. STEVENSON, Comdg. Field Battery, Montreal.

" D. T. IRWIN, Inspector of Artillery, Ottawa.

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

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

" J. GRAY, Brigade Major, M. D. No. 2, Toronto.

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

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

" J. D. IRVING, Brigade Major, M. D. No. 12, Charlottetown.

" J. R. ARMSTRONG, A.D.C., Comdg. N.B. Bde. G.A., St. John.

" A. E. CURREN, A.D.C., Comdg. Halifax Bde G.A., Halifax.

" E. G. PRIOR, A.D.C., M.P., Comdg. B.C. Bde. G.A., Victoria.

" W. MCKENZIE, Comdg. Field Battery, Gananoque.

" W. D. OTTER, D.A.G., M. D. No. 2, Toronto.

MAJOR FRANK KING, M.D., Comdg. Welland Canal Fd. By., Port Colborne.

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

" W. H. LAURIE, Brigade Garrison Artillery, Montreal

" F. M. COLE, " " " "

" W. M. DRENNAN, Comdg. Field Battery, Kingston.

" W. NICOLL, Comdg. No. 1 Battery, 1st Brigade, Guelph.

" J. DAVIDSON " No. 2 " "

" E. G. EDWARDS, R.A., Royal Military College, Kingston.

CAPTAIN BOULANGER, Comdg. No. 2 Battery, Garrison Artillery, Quebec.
 " VAN STRAUBENZEE, R.E., Royal Military College, Kingston.
 " LONGWORTH, Comdg. No. 2 Battery, P.E.I. Bde., Charlottetown.
 " DAVISON, " No. 1 " " " "
 " FINLAYSON, Brigade Garrison Artillery, Montreal.
 " OGILVY, " " " "
 " MARTINEAU, Comdg. No. 1 Battery, Levis Garrison Artillery.
 " OXLEY, Brigade Garrison Artillery, Halifax.
 " MAXWELL, " " " "

EXECUTIVE COMMITTEE.

Ex-Officio.

LIEUT.-COLONEL D. T. ILWIN, Inspector of Artillery, Ottawa.
 " C. E. MONTIZAMBERT, Asst. Insp. of Artillery, Quebec.
 " W. H. COTTON, " " Kingston.

Elected.

LIEUT.-COLONEL J. R. ARMSTRONG, Comdg. N.B. Bde. G. A., St. John.
 MAJOR JOHN STEWART, Comdg. Field Battery, Ottawa.

AUDITORS.

LIEUT.-COLONEL J. MACPHERSON, Militia Department, Ottawa.
 F. E. KNIGHT, Esq., " " "

SECRETARY-TREASURER.

CAPTAIN J. B. DONALDSON, Militia Department, Ottawa.

LIST OF LIFE MEMBERS.

His Excellency Lord Stanley of Preston, G.C.B., Governor General.
 The Most Honorable the Marquis of Dufferin and Ava, K.P., etc., etc.
 His Excellency the Marquis of Lansdowne, G.C.M.G., etc., Viceroy of India.
 The Right Honorable the Marquis of Lorne, K.T., etc.

Angus, R. B., Esq.
 Armstrong, Lt.-Colonel J. R.

Benny, Robt., Esq.
 Boulanger, Capt.
 Brainerd, T. C., Esq.
 Buntin, Alex., Esq.
 Burnet, J., Esq.

Cameron, Lt.-Colonel.
 Cassils, C., Esq.

Daniels, Surgeon.
 Donaldson, Capt. J. B.
 Drummond, Hon. G. A.

Forget, L. J., Esq.

Gilmour, Lt.-Colonel A.
 Gray, Lt.-Colonel J.
 Gzowski, Colonel Sir Casimir, A.D.C.
 to the Queen.

Hamilton, Robt., Esq.
 Hickson, Lt.-Colonel Sir J.
 Hogg, John, Esq.
 Hope, John, Esq.
 Hosler, E. B., Esq.

Irwin, Lt.-Colonel D. T.

Joly, Hon. H. G.

King, Major F., M.D.

Lewes, Lt.-Colonel Price.
 Lindsay, Major Crawford.
 Lindsay, R. A., Esq.
 Luard, General, R. G. A., C. B.

Macdonald, Lt.-Colonel A. H., Q. C.
 McGreevy, Hon. Thos., M.P.
 McIntyre, Duncan, Esq.
 McKenzie, H. Esq.
 Middleton, Gen. Sir F., C.B., K.C.M.G.
 Moat, R., Esq.
 Montizambert, Lt.-Colonel C. E.

Oswald, Lt.-Colonel W. R.

Palliser, Capt. E.
 Paton, Hugh, Esq.

Rankin, John, Esq.
 Raymond, Chas., Esq.
 Redpath, Peter, Esq.
 Rowley, W. H., Esq.

Scott, Gilbert, Esq.
 Smith, Sir D. A., M.P.
 Smith, Capt. G. F.
 Stephen, Sir George, Bart.
 Strange, Major General T. B.

Bell, Sur.
 Bolte, A.
 Brock, C.

Call, Lt.
 Carvell,
 Cole, M.
 Costigan,
 Curren,
 Bde.

Davidson,
 Davison,
 Garri,
 Dawson,
 Gren.

Edward

Ferguso
 Finlayso
 Garri

Hooper,
 Hurdma

Innes, J.
 Irving,
 Irving,

Jenkins,

Laurie,
 Garri
 Longwo
 Garri

MEMBERS.

<p>Bell, Surgeon W. R., Ottawa Fd. Bty. Bolte, A., Esq. Brock, Capt. H., Queen's Own Rifles.</p> <p>Call, Lt.-Col. R.R., Newcastle Fd. By. Carvell, Lt. F. P., P. E. I. Bde. G. A. Cole, Maj. F. M., Montreal Bde. G. A. Costigan, Lt. R., Montreal Fd. By. Curren, Lt.-Col. A.E., A.D.C., Halifax Bde. Garrison Artillery.</p> <p>Davidson, Major J., 1st Bde. Fd. Art. Davison, Capt. H. McL., P.E.I. Bde. Garrison Artillery. Dawson, Lt.-Col. G.D., A.D.C., Royal Grenadiers.</p> <p>Edwards, Maj. E. G., Rl. Art., R.M.C.</p> <p>Ferguson, Doctor. Finlayson, Capt. J. A., Montreal Bde. Garrison Artillery.</p> <p>Hooper, Lt. G. R., Montreal Fd. By. Hurdman, Lt. W. G., Ottawa Fd. By.</p> <p>Innes, J., Esq., M.P. Irving, Lt.-Col. J. D., Brigade Major. Irving, Lieut. L. H., Retired List.</p> <p>Jenkins, Surg. S. R., P.E.I. Bde. G. A.</p> <p>Laurie, Major W. H., Montreal Bde. Garrison Artillery. Longworth, Capt. J. A., P. E. I. Bde. Garrison Artillery.</p>	<p>Malloch, A. H., Esq., late Toronto G. A. Martineau, Capt. J. A. S., No. 1 Battery Levis Garrison Artillery. Maxwell, Capt. J., Halifax Bde. G. A. McCrae, Capt., late 1st Bde. Fd. Art. McKenzie, Lt.-Col. W., Gananoque Fd. Battery. McKenzie, Capt. S. A., Gananoque Fd. Battery. McLachlan, J. F., Esq. McLean, Major W., Durham Fd. By. Moore, Lt.-Col. F. S., P.E.I. Bde. G. A. Moore, Lt. F. W. L., " " " Morson, Capt. W. A. O., " " " Murchison, Capt. A., 1st Bde. Field Art Murray, Capt. J. Myles, R. A., Esq., late Toronto Field Battery.</p> <p>Nicoll, Major W., 1st Brigade Fd. Art. Ogilvy, Capt. J., Montreal Bde. G. A. Otter, Lt.-Col. W. D., D.A.G., M. D. No. 2. Oxley, Capt. F. H., Halifax Bde. G. A.</p> <p>Sproule, R., Esq. Sterns, Lieut. E. D., P.E.I. Bde. G. A. Stevenson, Lt.-Col. A. A., Montreal Field Battery.</p> <p>Taylor, J. D., Esq., Ottawa.</p> <p>Van Straubenzee, Capt. A. H., Royal Engineers, R. M. C.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

LIST OF AFFILIATED BATTERIES.

Royal Military College, Kingston.

"A" Battery, Regiment Canadian Artillery.

"B" " " " "

No. 1 Battery, 1st Brigade Field Artillery, Guelph, Ont.

No. 2 " " " "

London Field Battery.

Hamilton "

Welland Canal "

Toronto "

Durham "

Kingston "

Gananoque "

Ottawa "

Montreal "

Shefford "

Québec "

Newcastle "

Montreal Brigade Garrison Artillery (6 Batteries).

New Brunswick " " " St. John, N.B. (5 Batteries).

Halifax " " " (7 Batteries).

Prince Edward Island Brigade Garrison Artillery (3 Batteries).

Yarmouth Battery Garrison Artillery.

Cobourg " " "

No. 2 " " " Quebec, Que.

No. 1 " " " Levis, "

No. 2 " " " " "

1. ARTILLERY of Guns through

2. dollars, meeting dollars, dollars, a life me

3. T itary Co Mounted and six to this A in the pr cers of e the perso addresse previous

4. T consist annually and Def Major-G and Assi of Distri Regiment ing Affili the Com College ; Dominio

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 North-West Mounted Police Force, subscribing not less than *ten dollars* per Field and *six dollars* per Garrison Battery, per annum, may become affiliated to this 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 others 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 Adjutant-Generals of Districts, and Brigade Majors; All Officers Commanding, and Regimental Field Officers of Artillery Brigades; 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 and 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 and Vice-Patrons, respectively, of the Association; and at any General Meeting of the Association other names may be added to the list of Vice-Patrons.

6. A General Meeting of the Association shall be held annually, on the third Thursday after the meeting of Parliament, to receive the Annual Report of the Secretary and Treasurer, and to transact general business. No alteration of the Rules of the Association shall be made, excepting at such meeting. Twenty-one days' notice of any motion involving such alteration shall be given in writing by the member intending to propose it at the General Meeting to the Secretary, who shall forward it immediately to every member of the Association; and the notice shall be also published in two issues of the *Canadian Militia Gazette* prior to the Annual Meeting of this Association by the Secretary or other person authorized to act on his behalf—so long as such paper is published.

7. The office-bearers shall consist of a President and four Vice-Presidents of the Association, to be elected annually at the Annual General Meeting of the Association, and a President and four Vice-Presidents of Council and a Secretary-Treasurer to be elected annually at the first meeting of Council next after the Annual General Meeting. The Council shall have power to fill up vacancies occurring subsequently. There shall be also an Executive Committee to consist of the Inspector and Assistant Inspectors of Artillery, with two officers to be elected by the Council from among its members at the first Meeting of Council after the Annual General Meeting, of which the Inspector of Artillery shall be chairman, to the charge of which Committee shall be entrusted all technical artillery matters and carrying out of annual competitions, appointment of umpires and the arrangement of details in connection therewith, three to form a quorum. The members of the Executive Committee to be eligible to any office and to report to the Council.

8. At all General Meetings of the Association the chair shall be taken by the President, in his absence by the senior Vice-President present, and in the absence of all the Vice-Presidents by the President of Council, and so on.

9. A
tions shall
shall have

10. C
previous t

The
book kept
tion of an

11. E
the Secre
places as
upon the
three diffe
whom sha
ber of the
and the re
must stat
Council sh
upon subj

12. A
ciation sh
Associatio
sums of m
Savings' I

13. T
Treasurer

14. T
authorized
the Vice-
Council.

15. T
petitions a
referred to

16. A
submitted
make a re
tion Meet

9. At all Meetings of Council, five shall form a quorum, all questions shall be decided by the vote of the majority, and the Chairman shall have a casting vote when the members are equal.

10. Ordinary Meetings of Council shall be held on the day previous to, and immediately after the Annual General Meeting.

The Minutes of all Meetings of Council shall be entered in a book kept for that purpose by the Secretary, and open to the inspection of any member of 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 entitled to vote at such meeting, one of whom shall be a Vice-President, notification being sent to each member of the Council at least fourteen days previous to such meeting, and the requisition for the meeting and the notices 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 shall 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 and 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 made or seconded by him shall be made by him in the name of the member of Council for whom he acts.

20. Whenever an Artillery Association is formed for any of the Provinces of the Dominion, the Secretary shall be required to furnish such information from the records in his charge as may be required for the issue of Provincial prizes.

1. Re
Treasurer,
Council ha
which sho
Batteries,

2. Th
attended b
provement
showing th

3. Th
promised
will most
as the di
delay) has

4. Th
Associatio
recommen
armoury
The Coun
in improv

5. Th
supplied t
their own
can testif
year, and
this practi
annual pr
Annual R

6. Th
for prizes

7. An
the 3rd o
Halifax I

Report of Council.

1. Reports of the Executive Committee and the Secretary-Treasurer, with accounts duly audited, submitted herewith. The Council has pleasure in drawing special attention to these Reports, which show, by the Efficiency Returns of both Field and Garrison Batteries, the continued and increasing good work of the Association.

2. The annual meetings for practice and competition were largely attended by both branches of the Artillery force, and a marked improvement was noticeable in the work done by the different batteries, showing the benefit of such meetings.

3. The Council have much pleasure in reporting that duck suits, promised last year for fifty per cent. of the combined Artillery force, will most probably be issued by the Militia Department this season, as the difficulty of procuring the required material (which caused delay) has been overcome.

4. The Council strongly recommend that the Presidents of the Association, Executive Committee and Council be requested to recommend to the Department the issue of "Morris" or other good armoury practice tubes for the 40-pr. B. L. and 9-pr. M. L. guns. The Council are confident that this issue if granted will greatly assist in improving the efficiency of the Artillery force in the Dominion.

5. The Council are pleased to learn that several batteries have supplied themselves with small arm practice tubes and ammunition at their own expense, for their armouries. The Commanding Officers can testify to the large attendance at these ranges during the entire year, and the marked improvement in the shooting efficiency from this practice. The Council recommend that, in future, the small arm annual practice scores be recorded (as fully as practicable) in the Annual Report of the Association.

6. The Council recommend that in future officers who compete for prizes should be life or annual subscribers of the Association.

7. An extra-ordinary meeting of Council was held in Montreal on the 3rd of December, 1890, to consider protest of Captain Oxley, Halifax Brigade G.A. See minutes of Proceedings. The Council

would recommend that the foot notes on examination papers be so worded that no misconstruction of their intentions can be made by any competitor, as seems to have occurred in this case.

8. The position of President of the Association became vacant during the year, owing to the retirement of Major-General Middleton from that position. No steps were taken to fill the vacancy.

9. The Council urgently recommends that a longer period than 12 days' annual drill be allowed Artillery, and that Garrison as well as Field Batteries be drilled each year.

10. The Council desires to express its obligations to the Inspector and Assistant Inspectors of Artillery and their executive staff, also to Commanding Officers of permanent batteries for their assistance and co-operation during the annual meetings, for carrying out practice and general aims of the Association, the chief object being the improvement and efficiency of the artillery force of the Dominion.

(Signed) THOMAS T. TURNBULL, Lt.-Col.,
President of Council.

Montreal, February, 1891.

EX

Proc
Drill Hal
notice iss
bull, date

The
the chain
Lulham.

In th
treat Brig

Lett
letter fro
with refer
Oxley's l

SIR,
mand has
say that
and it is
his marks
the inspe

Lieut.-Co

The
Lieut.-Co
Moore, M
favor of s

On r
it was ur
Artillery
worth be
absence."

It w
future co
should be

Montre

EXTRA-ORDINARY MEETINGS OF COUNCIL.

Proceedings of an Extra-ordinary Meeting of Council held in the Drill Hall, City of Montreal, on the 3rd December, 1890, pursuant to notice issued by order of the President of Council, Lieut.-Col. Turnbull, dated 17th November, 1890.

The following members were present: Lieut.-Col. Turnbull (in the chair), Major Cole, Captains Finlayson, Ogilvy, Bissett and Lulham.

In the absence of Captain Donaldson, Captain Maxwell (Montreal Brigade Garrison Artillery) acted as Secretary.

Letter of protest from Captain Oxley, together with covering letter from Lieut.-Col. Curren and memo. of Inspector of Artillery with reference thereto, were read. The following is a copy of Captain Oxley's letter:—

HALIFAX, OCTOBER 18TH, 1890.

SIR,—Having learned from you that the Battery which I command has been beaten in the annual inspection by one point, I would say that if the Battery which has beaten us is Captain Longworth's, and it is due to the result of his examination, I must protest against his marks being allowed to count, inasmuch as he was not present at the inspection, as required by the conditions of the competition.

I am, your obedient servant,

(Signed), FRED. H. OXLEY,
Captain, No. 5 Battery, H.G.A.

Lieut.-Col. A. E. Curren, H.G.A.

The following members forwarded their opinions in writing: Lieut.-Cols. Montizambert, Cotton, Macdonald, Armstrong and Moore, Major Lindsay, and Captain Gregor—all of whom were in favor of sustaining the action of the Inspector of Artillery.

On motion of Captain Finlayson, seconded by Captain Ogilvy, it was unanimously decided "That the action of the Inspector of Artillery be sustained, as it was only fair, and just that Captain Longworth being absent on duty, his battery should not suffer by such absence."

It was considered advisable, however, and recommended that in future competitions the conditions for guidance of all concerned should be more clearly stated.

(Signed), T. MAXWELL, Captain M.G.A.,
Acting Secretary.

Montreal, 3rd December, 1890.

Second Meeting.

Proceedings of an extra-ordinary meeting of Council held in the office of the Inspector of Artillery, Ottawa, on Wednesday, the 8th April, 1891, to consider resolutions proposed by Lieut.-Col. Irwin, providing for selection of a team to be sent to England to compete in the annual matches of the National Artillery Association, Shoeburyness.

Present: Col. Powell, Adjutant-General; Lieut.-Col. Macpherson, Director of Stores; Lieut.-Col. Irwin, Inspector of Artillery; Major John Stewart, Commanding Ottawa Field Battery; Captain J. B. Donaldson.

Written votes and opinions received from fourteen members of Council unable to be present were read and considered.

It was proposed by Major Stewart, seconded by Lieut.-Col. Macpherson:

"That in view of the opinions as expressed by members of Council, and especially by those officers of Garrison Brigades whose corps are most interested in the proposed resolutions, it is not desirable that arrangements be made for sending a team to Shoeburyness this year." Carried unanimously.

J. B. DONALDSON, Captain,
Secretary.

Ottawa, 8th April, 1891.

The following are the resolutions above referred to:—

In accordance with Rule 11, an extra-ordinary Meeting of Council is requested for the consideration of the subject referred to in the subsequent proposed Resolutions.

(a.) It has been suggested that, in view of the fact that more than four years have elapsed since the last team from the Canadian Artillery was sent to Shoeburyness, it would be advisable that an effort be made to send a team this year, and as a consequence that the Batteries of Garrison Artillery should perform their annual gun practice at local headquarters.

(b.) Three teams have been previously sent, composed as follows:

	1881.	1883.	1886.
R. M. College	2	2	2
"A" Battery	2	2	2
"B" Battery	2	3	2
Field Batteries	7	6	6
Garrison Batteries	7	8	8
	<hr/> 20	<hr/> 21	<hr/> 20

In view, h
ness for F
\$2,000.00
Shoebury
petition a
pended d
connection
by a speci
that the t
son Artill
and traini
gained, an
permanen

(c.) T
been as fo
1881
1883
1886

Of these a
of \$2,000.0
suming, th
will be ne
competito
Batteries s
this amoun

(d.) T
sideration

1. Th
in aid of
expenses i
the necess
formation
Shoeburyn

2. Th
of represen
representa
former and
of the team

Halifax
N. B. I
P. E. I
Quebec
Montre
B. C. I
Indepe
"A" Ba
"B" Ba
"A" or

In view, however, of the fact that there is no competition at Shoeburyness for Field Batteries, and that the Annual Government Grant of \$2,000.00 is especially donated for the purpose of sending a team to Shoeburyness, or for the purpose of holding a Garrison Artillery competition at Quebec, for which latter purpose it has been mainly expended during the past four years; and also that the expenses in connection with the Field Battery Practice have hitherto been defrayed by a special grant from the Militia Department, it is now suggested that the team be composed of N. C. officers and men from the Garrison Artillery only, as being those who by their previous instruction and training are most likely to benefit by the valuable experience gained, and to whom, and their corps, such information will be of permanent benefit.

(c.) The total expenses in connection with previous teams have been as follows:

1881	\$3,474 80
1883	3,111 86
1886	3,022 50

Of these amounts the Government contributed in each case the sum of \$2,000.00, the balance being raised by private subscriptions. Assuming, therefore, that the proposed team will cost about \$3,000.00, it will be necessary to collect \$1,000.00, or at the rate of \$50.00 for each competitor. It is suggested that officers commanding Brigades and Batteries should be held responsible for the collection of not less than this amount.

(d.) The following resolutions are therefore proposed for the consideration of members of Council:—

1. That in anticipation of the usual Government Grant of \$2,000 in aid of a Garrison Artillery Competition at Quebec, or of the expenses in connection with sending a detachment to Shoeburyness, the necessary steps be taken as soon as possible to arrange for the formation of a team to compete at the N. A. Association meeting at Shoeburyness this year.

2. That the Rule with reference to the selection and composition of representatives, passed by Council 18th Feb., 1886, by which the representation of Field and Garrison Batteries was fixed at six of the former and eight of the latter, be rescinded, and that the composition of the team for 1891 be as follows, viz.:

	Affiliated Batteries.	No. of Competitors.
Halifax Brigade	7	3
N. B. Brigade	5	2
P. E. I. Brigade	3	2
Quebec Batteries	3	2
Montreal Brigade	6	3
B. C. Brigade	4	2
Independent Batteries	3	2
"A" Battery		2
"B" Battery		2
"A" or "B" Battery Instructor		1

Provided in every case the Brigades and Batteries from which the competitors are selected shall be affiliated to the D. A. Association for the current year.

3. That the selection of the officer to command the team, and the Adjutant, be referred to the Major General commanding, the Adjutant General and the Dominion Inspector of Artillery, and the final approval of the N. C. officers and men composing the team, to the Commandant R. S. A. Quebec, the Commandant and Adjutant of the team; also that the conditions and agreement be the same as those in force in 1886, and as published in the Annual Report for 1887.

D. T. IRWIN, Lieut.-Col.

Pres. Ex. Com.

Repe

1. T
lines as c
a further
for this
practice

This
don and
out, the f
and the l

The
Report ;
itself has
proposed
ensuing c

2. T
Kingston
pated in
Winnipeg
Toronto
have not
quarters.

Both
several l
success i
numbers,
were una
no doub
Subsequ
has, how
open sig
all Batter

which the
Association

am, and the
Adjutant
the final ap-
to the Com-
ant of the
me as those
or 1887.

Col.

Ex. Com.

Report of the Executive Committee, 1890.

FIELD ARTILLERY PRACTICE.

1. The practice for this year was carried out on the same general lines as during 1889. The Range-finding practice being advanced to a further stage by the employment of sections, instead of subdivisions, for this purpose, and by other modifications intended to make the practice more thoroughly and practically instructive.

This practice was participated in by fourteen Batteries, the London and Richmond Batteries being the only ones unable to carry it out, the former on account of there being no safe range near the camp, and the latter not having yet drilled for this year.

The published detailed rules for this practice will be found in the Report; they have been generally well observed, and the practice itself has proved to be of increasing value to all concerned. It is proposed to further extend the scope of this practice during the ensuing drill season.

2. The annual competitive gun practice was carried out at Kingston over the same range as the previous year, and was participated in by 27 officers and detachments from twelve Batteries; the Winnipeg and Newcastle Batteries practised at local camps. The Toronto Battery was unable to send a detachment at the time, and have not since made any arrangements for practice at local headquarters.

Both at this practice and at the Range-finding practice of the several Batteries the improved sight was used; unfortunately for its success it was only manufactured in time to be issued in very limited numbers, and only at the time of using, consequently the marksmen were unable to obtain any preliminary practice in its use, and there is no doubt in many cases were rather handicapped in consequence. Subsequent practice carried out by the Royal Schools of Artillery has, however, proved its value as a great improvement upon the old open sight, to which it is an adjunct, and as sights are now issued to all Batteries opportunity will be afforded for practice in its use.

3. The arrangements made for camping, messing, transport, etc., for this meeting, by the executive staff of "A" Battery, under the general directions of the Commandant, were extremely satisfactory, and the only drawback to the entire success of the meeting, as regards its instructional value, is to be found in the arrangements made by some commanding officers, by which the attendance of their detachments at the meeting was limited to the time sufficient for firing only, and it may be noted that the time spent in camp by each detachment appeared to be inversely proportioned to the distance it had to travel to get there.

It is to be hoped that this defect will be remedied next year, and that the duration of stay in camp by each detachment will not be less than twenty-four hours; much benefit will be gained by the marksmen in carefully watching and judging apparent result of fire under different conditions of atmosphere, etc.; a visit to the range to watch the actual effect of fire will be found instructive, and the opportunity of meeting detachments from different localities, or Provinces, is not without its value in strengthening the *esprit de corps* of the Force.

4. In this connection the Executive Committee desire to impress upon commanding officers the necessity of complying in all respects with the directions contained in the circulars relative to this meeting, issued previous to it; much inconvenience and unnecessary expense has been in some instances caused by neglect.

5. Application was made for the supply of a certain number of Morris tubes for issue to Field Batteries, and, it is to be hoped, will be favorably considered.

DRILL AND DRIVING COMPETITION.

6. This competition was well and closely contested by nine Batteries, the average time made by the winning Battery (Durham) being twenty seconds less than that made by the winning Battery the year previous, and the general average of all the Batteries was also much better.

GARRISON ARTILLERY PRACTICE.

7. The practice at local headquarters was this year confined to the Batteries of the British Columbia Brigade, and two Batteries of the New Brunswick Brigade, the Halifax Brigade being, fortunately, enabled to obtain transport for detachments from each of their Batteries.

8. The competition at the Island of Orleans was conducted on the same principles as during the previous year, an additional round of

plugged
gun, and
increased

The
from 24
Gun prac
prevented
the Levis
day morn
of the pra

9. T
Montreal
ments fro

The
owing to
the gun, t
ed the co
decayed
detachme
it was dec
not in any
trial could
from the

Both
detachme

The
on Friday
and the
however,
leave cam

Dur
Executive
Halifax
local head
and third
sanctione
Royal Ar
competiti

plugged shell being, however, fired by each competitor with the 40-pr. gun, and one plugged shell less with the 64-pr. The range was also increased by about 200 yards for each nature of gun.

The practice was participated in by 29 officers and detachments from 24 Batteries, and the general results were very satisfactory. Gun practice on Friday, the last day of the meeting, was unavoidably prevented by unfavorable weather, and the detachments from one of the Levis Batteries and the Cobourg Battery had to wait until Monday morning before being able to complete their practice. The results of the practice of each Battery are elsewhere fully detailed.

SHIFTING ORDNANCE COMPETITIONS.

9. These competitions were entered for by detachments from the Montreal and Prince Edward Island Brigades, and by three detachments from the Halifax Brigade.

The Montreal detachment commenced with the "A" shift, but owing to the sliding of the carriage under the skids when mounting the gun, the latter fell when partly up, and the detachment relinquished the competition. The gun carriage was subsequently found to be decayed and partly broken, and was replaced by another. The detachment claimed the right to perform the "A" shift over again, but it was decided by the Executive Committee that, as their failure was not in any way due to the defective condition of the carriage, another trial could not be allowed, and the detachment subsequently withdrew from the competition for the "B" shift.

Both shifts were afterwards performed in excellent time by the detachment from the Island Brigade.

The Halifax detachments were detailed for these competitions on Friday, 11th; the weather, however, was extremely unfavorable, and the competition was postponed until Saturday morning, which, however, being equally unsuitable, the detachments were obliged to leave camp without competing.

During the following week an application was received by the Executive Committee from Lieut.-Colonel Curren, commanding the Halifax Brigade, for permission to perform the "A" and "B" shifts at local headquarters in competition amongst themselves for the second and third prizes offered by the Association. This application was sanctioned by the Committee on the condition that an officer of the Royal Artillery should act as umpire. The result of this Brigade competition will be found elsewhere.

EFFICIENCY COMPETITIONS.

10. These competitions for both Field and Garrison Artillery have been exceedingly closely contested, the difference between the first and second Batteries in both not exceeding one point, and the total number of marks obtained by the leading Batteries in both competitions showing an extremely creditable state of efficiency.

A protest was received from the officer commanding the Halifax Brigade with reference to the awarding of credits for answers to questions given by an officer subsequently to the inspection of his Battery. As the question involved a decision on general principles somewhat without the lines of action laid down for the Executive Committee, it was referred to the President of Council, and was decided at an extra-ordinary meeting, details of which will be found in the Report of Council.

(Signed,) D. T. IRWIN, Lt.-Colonel,

Chairman.

C. E. MONTIZAMBERT, Lt.-Colonel.

W H. COTTON, Lt.-Colonel.

J. R. ARMSTRONG, Lt.-Colonel.

JOHN STEWART, Major.

} *Members.*

The
the Assoc

The

The
that all t
circumsta
the comp
1891. T
average.

The
sources :

Gov

Har

Life

Ann

Aff

The
sum of \$
\$319.30

In a
ance for
Inspecto
practice.

The
Associat
since the

Secretary's Report.

The Secretary presents herewith the fifteenth Annual Report of the Association, giving details of the several competitions, etc.

The affiliations for the year consisted of :—

- The Royal Military College.
- "A" & "B" Royal Schools of Artillery.
- 14 Field Batteries.
- 26 Garrison Batteries.

There were four non-affiliating Field Batteries. It was hoped that all these Batteries would have been represented this year, but circumstances appear to have arisen which prevented their entering the competitions. A full representation is earnestly expected for 1891. The total affiliations, Field and Garrison, is slightly above the average.

The total receipts amounted to \$3,569.50, from the following sources :—

Government	{ Annual grant.....	\$ 900 00
	{ Vote for Shoeburyness team or Garrison Artillery competition	2,000 00
Hamilton Powder Company		100 00
Life member's subscription.....		20 00
Annual subscribers.....		95 00
Affiliations	{ 1889.....	128 50
	{ 1890.....	326 00

The total disbursements amounted to \$3,511.80, of which the sum of \$1,276.31 was in connection with the Quebec competition and \$319.30 balance due for 1889.

In addition to the above the sum of \$1,144.94, charged to allowance for annual drill, was expended under the authority of the Inspector of Artillery in carrying out the details of the Field Artillery practice.

The balance in Bank of Montreal at Ottawa to the credit of the Association is \$1860.17. This amount has gradually accumulated since the Association was relieved by the Government from paying

transport for the detachments of Garrison Artillery attending the annual competitions at Quebec. I would suggest that *one thousand* dollars of this sum be permanently invested as the nucleus of an endowment fund for the Association.

His Excellency the Governor-General, Lord Stanley of Preston, continued his donation of two cups—one each to Field and Garrison Batteries—as first prizes in the general efficiency competitions. The Hon. Honoré Mercier, Premier of the Province of Quebec, and Lieut.-Col. Turnbull, President of the Council of the Association, presented the prizes mentioned in the last Annual Report. The former, a handsome centre piece consisting of two mailed figures, and the latter a silver shield in repoussé work, with gold and oxydised tracings representing squads at gun practice and shifting ordnance. The shield was made by Messrs. Elkington and Sons of London, from designs furnished by the donor. It is suggested that photographs of the above be obtained for presentation to the Batteries holding them for the year as a souvenir of the event.

I regret to have to record the death, which occurred shortly after the last annual meeting, of Major Seeley, New Brunswick Brigade Garrison Artillery, a life member of the Association.

The former system of printing the proceedings of the Annual General Meeting and Meetings of Council at the end of the report, which was omitted in the 1888 report, was reverted to last year as being more satisfactory—the proceedings being thus distributed to members immediately after the meeting, instead of being delayed for twelve months.

A few of the General Orders, referring more particularly to the Artillery branch of the Service, which have been promulgated since the last edition of Regulations and Orders, have been collated and are published with the Report for convenience of reference.

The following letter was received from General Middleton previous to his departure from Canada :—

QUEBEC, AUGUST 20th, 1890.

SIR,—I find that urgent business at home necessitates my leaving for England earlier than I expected. I have, therefore, to request that you will convey to the Council the resignation of my appointment as President of the Dominion Artillery Association. At the same time I beg to express my regret at being obliged to do so. I

* shall alw
has alrea

Capt. Do

Maj
Mercier,
bership in

I de
Artillery,
have furn
of the Re

* shall always feel interested in the well-doing of the Association, which has already been of such service to the Dominion Artillery.

I remain, etc., etc.,

(Signed) FRED. MIDDLETON,

Lieut.-General, and Major-General Canadian Militia.

Capt. Donaldson, Secretary D.A.A.

Major-General Herbert, Commanding Militia ; Hon. Honoré Mercier, and Lieut.-Col. Turnbull are eligible for election to life membership in the Association.

I desire to take this opportunity of thanking the Inspector of Artillery, the Assistant Inspectors of Artillery and other officers who have furnished me with the information required for the compilation of the Report.

Respectfully submitted,

J. B. DONALDSON, Captain,
Secretary-Treasurer.

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 No. 1 Battery, 1st Brigade, Guelph. Major Nicoll, comdg. Battery ; Lt.-Col. Macdonald, comdg. Brigade.

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 " "

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

LANSDOWNE CUP.

Held for the year by Battery second on list for general efficiency :
Hamilton Field Battery, Major Van Wagner comdg.

Held in 1888 by Hamilton Field Battery.

" 1889 by Quebec " "

3. General Efficiency, Garrison Batteries.—1st Prize.

Presented by His Excellency, same conditions as 1 (see table).
Won by No. 1 Battery, P. E. Island Brigade G. A., Capt. Longworth comdg. ; Lt.-Col. Moore comdg. Brigade.

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 " " "

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

LANSDOWNE CUP.

Held for the year by Battery second on list for general efficiency:

No. 5 Battery Halifax Brigade, Capt. Oxley comdg.

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

" 1889 by No. 1 " P. E. Island "

5. 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 Lieut.-Colonel Oswald, late Montreal Brigade Garrison Artillery. Won by No. 1 Battery 1st Brigade, Major Nicoll comdg.

HELD PREVIOUSLY BY :

1884	Welland Canal Field Battery.
1885	Montreal " "
1886	Ottawa " "
1887	Durham " "
1888	Winnipeg " "
1889	Quebec " "

6. 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. Won by No. 1 Battery 1st Brigade, Major Nicoll comdg.

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 " "

7. Gzowski Challenge Cup.

Drill and Driving, Field Batteries.—To be the property of any Battery winning it two years in succession. See report. Presented by Col. Sir Casimir Gzowski, Staff Officer Engineer Force, A.D.C. to the Queen. Won by the Durham Field Battery, Major McLean comdg.

HELD PREVIOUSLY BY:

1884	Quebec Field Battery.
1885	Kingston "
1886	Durham "
1887	Ottawa "
1888	Gananoque "
1889	No. 2 Battery 1st Brigade.

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.

1890—Held by Cobourg Garrison Artillery, Capt. McNaughton comdg.

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.

1890—Held by Cobourg Garrison Artillery, Capt. McNaughton comdg.

The
published
collated a

The
etc., is sar
District S

Of
Gr
Du
So
Pi
Br
Sp
Cl

The
directed t
ly posted
The
ditions th
any cause
be balanc
on the A
The
District S
required t
of the ent

No

Sub-
for the M

General Orders, 1888-90.

The following extracts from General Orders for years 1888-90—published since last issue of Regulations and Orders—have been collated and are printed here for facility of reference:

General Order No. 2, 13th January, 1888.

NO. 5.—FIELD BATTERIES OF ARTILLERY.

Annual Allowance, Cleaning Stores, etc.

The following annual allowance of material for care of equipment, etc., is sanctioned and will be applied for by requisition through the District Staff:—

Oil	{ Rangoon	8 Pts.
	{ Neat's foot	8 "
Grease	12 lbs.	
Dubbing	12 "	
Soft Soap	12 "	
Pipe Clay	10 "	
Bricks, bath	12	
Sponges, small	4	
Cloths, sponge	8	

NO. 6.—ARTILLERY STORE LEDGERS.

The attention of Officers commanding Brigades or Batteries is directed to the necessity of keeping these Ledgers at all times properly posted up to date.

The present state of the equipment in all its details, and all additions thereto are to be shewn on the Dr. side, all expenditures from any cause to be noted on the Cr. side. The Ledger accounts are to be balanced on the 31st December, each year, and an abstract thereof on the Annual Store Return, forwarded to the District Staff.

The Ledger is required to be shewn at all inspections either by District Staff or Inspector of Artillery, and the Inspecting Officer is required to satisfy himself, by actual inspection, as to the correctness of the entries therein.

General Order No. 6, 29th March, 1889.

NO. 5.—ROYAL SCHOOLS OF MILITARY INSTRUCTION.

N. C. O. and Men joining.

Sub-paragraph (3) of paragraph 1055 "Regulations and Orders for the Militia, 1887" is hereby amended by adding after the word

"thereof" in fifth line, the words "or the Surgeon or Assistant Surgeon giving the certificate of fitness for service, if such certificate has been subsequently found incorrect." The sub-paragraph as amended will read as follows:

"(3.) If any N. C. Officer or Man who is physically unfit for service, or who cannot read and write fairly, is sent to a school at the public expense, he will not be admitted for instruction, but shall be returned to his corps, and the Commanding Officer thereof, or the Surgeon or Assistant Surgeon giving the certificate of fitness for service, if such certificate has been subsequently found incorrect, will be required to make good the expenses incurred."

General Order No. 11, 14th June, 1889.

NO. 1.—ORDERS RELATING TO THE ARTILLERY.

Term "Section" to take the place of that of "Division."

It has been decided that the term "Division" is no longer to be used to denote a part of a battery of Field or Garrison Artillery. The word "Section" will be substituted, but the "sub-division" will continue to be so designated.

Bridoon Bits and Reins.

The following method of carrying bridoon bits by batteries of Field Artillery, whenever bearing reins are worn, is approved and published for the guidance of all concerned:—Bridoon bits will be carried in the horse's mouth; bearing reins of the same pattern as now in use, will be substituted for the bridoon reins, the former will be secured to the rings of the bridoon bits, the centre of them being kept in place by buckling into the wither strap, the reins being passed through the throat lash.

General Order No. 3, 21st March, 1890.

NO. 3.—ARTILLERY STORE LEDGERS.

Adverting to No. 6 of General Orders (2) 13th January, 1888, it is to be understood that the inspections therein referred to, include the half yearly inspections by the District Staff, at which the state and condition of all Artillery Stores, Equipment, Harness, etc., is to be verified by comparison with the entries in the Store Ledger.

General Order No. 5, 9th May, 1890.

NO. 1.—REGULATIONS AND ORDERS FOR THE MILITIA, 1887.

Honours and Salutes.

The following will be added as sub-section (3) to paragraph 477:
The composition of the firing party will be as follows:—
One officer in command.
One officer for two guns.
One officer in addition, if more than two guns.

One
than five
One
In f
be allow
guns ava
With cas
there wi
gun is to

No. 3.

Par
437
armed v
Comm
District,
(a.) F
o
(b.) R
c
b
(c.) R
y
s
n
The
have bee

The
4
morning
vice on
and Off

The
745
ment, ca
articles
the train

One non-commissioned officer, and not less than four, nor more than five gunners for each gun.

One non-commissioned officer in charge of ammunition supply.

In firing Salutes with field guns an interval of ten seconds is to be allowed between the rounds, but should there be fewer than six guns available, no gun is to be fired twice in less than one minute. With cast iron ordnance, when the number of guns will admit of it, there will be an interval of ten seconds between each round, but no gun is to be fired twice in less than two minutes.

General Order No. 9, 11th July, 1890.

NO. 3.—REGULATIONS AND ORDERS FOR THE MILITIA, 1887.

Ammunition.

Paragraph 437 has been amended to read as follows:

437. The annual allowance of ammunition for practice by corps armed with rifles, to be drawn for each man actually effective by Commanding Officers through the Deputy Adjutant General of the District, will be:

- (a.) For city corps armed as above, 40 rounds of ball and 20 rounds of blank.
- (b.) Rural corps armed as above for any year they are trained in a camp of exercise, 20 rounds of ball and 20 rounds of blank to be expended in camp.
- (c.) Rural corps armed as above, not ordered for paid drill in any year, provided the Deputy Adjutant General of the District is satisfied it will be *bona fide* expended at target practice by each man belonging to the corps, 20 rounds of ball.

The words "viz. twenty rounds" at the end of paragraph 430 have been cancelled.

Honours and Salutes.

The following is added as sub-section 4 to paragraph 477:

4. As a general rule no salute will be fired before 8 o'clock in the morning, nor after sunset, nor during the usual hours of Divine Service on Sundays. The same rule will apply to Guards of Honour and Official receptions.

Tents and Blankets.

The following is added as paragraph 745a:

745a. Before the corps marches away from the place of encampment, each Commanding Officer of a corps is required to see that all articles of camp equipment received for the use of his corps, during the training, are delivered to the Camp Quartermaster.

Circulars, 1890.

The following circulars were issued during the year:—

No. 1.—Field Artillery.

1. It is notified for general information that a correction should be made in the published Efficiency return, by which six points should be deducted from the total gained by No. 2 Battery, 1st Bde., for absentees not satisfactorily accounted for at inspection.

2. *Ammunition*.—Batteries which perform their Annual Drill in the vicinity of an Artillery Range, will be required to bring into camp, properly packed in the limbers, the following detail of ammunition, to be taken from their reserve, viz:

Common shell filled	24
Shrapnel " "	8
" Primers	8
R. L. Fuzes	24
15 sec. time Fuzes	8
Friction tubes	170
Cartridges, filled, service	32

Requisitions in duplicate for 100 cartridges filled, blank, 1 lb. and to complete the above detail, if necessary, should be forwarded upon the receipt of the orders for Annual Drill.

The common shell when filled, should have a "wad, papier mache G.S." inserted, and the plug screwed home.—Shrapnel shell when filled should have the primer firmly screwed in, and also the fuze-hole plug.

3. *Harnessing*.—Curb chains, or straps, are invariably to be worn with harness bridles.—The bridoon bit, attached to the bearing reins, is only to be worn in draught by the off horses, and side rein by the off wheeler.

4. *Artillery Store Ledgers*.—As some uncertainty exists with regard to the manner in which these are to be kept posted, it is to be understood that the actual numbers of all articles on charge are to be entered on the left hand or Dr. side, together with the numbers of all articles received, in addition, from time to time,—in the latter case, the date and official number of each receipt voucher should be inserted.

All issues, expenditures, losses, etc., should similarly be shewn under their respective headings on the Cr. side, and the Annual Store Return should contain a summary of these transactions for each year.

The printed numbers in the first column of the Annual Store

Return sh
Battery—
how these
In the
of harness
reference t

5. Ca
val, tents a
15 yards n

When
picket rop
from the g

Batte

6. Ad

No. 1

Lead

Whee

When

carried on

the other h

cannot be

carry their

Batte

viceable kn

without de

issue, and

7. Ki

bring to ca

ing article

towel, 1 pi

will be she

With

geant, who

ance of bo

to be brou

8. Cre

manner in

instruction

9. The

cards rece

4, 9; 9, 8;

Positi

If only

Ottaw

Return shew the full equipment at present sanctioned for a Field Battery—and the detail on pages 52 to 55, F. A. Manual 1884, shews how these articles are carried.

In the case of Batteries which have not received a full equipment of harness, the detail on pages 6 and 7 should only be made out with reference to the number of sets actually on charge.

5. *Camping*.—As detailed for 1889, viz., guns parked at half interval, tents aligned on the flank guns 30 yards apart, and an interval of 15 yards maintained between adjacent corps.

When it is necessary that the horses should be attached to a picket rope, the latter should be securely made fast not less than 2' 6" from the ground.

Batteries should bring their picket ropes to camp.

6. *Accoutrements*.—As detailed for 1889, viz:

No. 1, cir. valise on his horse.

Lead driver, " on trail.

Wheel " " on off wheeler.

When marching to and from camp, the drivers' valises will be carried on their own horses, and valises for spare drivers carried on the other horses, and on the trail. Dismounted men whose knapsacks cannot be carried on the gun carriage and limber as directed, will carry their own knapsacks and greatcoats on above occasions.

Batteries not in possession of the regulation number (44) of serviceable knapsacks, should send in their requisitions (in duplicate) without delay, for the required number, or to exchange for serviceable issue, and also, if necessary, for valise straps, 2 per valise.

7. *Kit*.—It is expected that every N. C. Officer and man will bring to camp with him, packed in his valise or knapsack, the following articles at least, viz., 1 pair of boots, 1 pair of socks, 1 shirt, 1 towel, 1 piece of soap, 1 cloth brush, 1 boot brush. These articles will be shewn at kit inspection.

With the exception of the Sergt.-Major and Quartermaster Sergeant, who may have one small trunk or valise each, for the conveyance of books, etc., no boxes, trunks, etc., or articles of furniture, are to be brought into camp by any N. C. Officer or man.

8. Credits for Discipline, Camping, etc., will be affected by the manner in which the Battery books, etc., are kept, and the preceding instructions observed.

9. The following corrections should be made in the printed Drill cards recently issued—*Changing rounds in action*—N^o. 2 becomes 4; 4, 9; 9, 8; 8, 7; 7, 6; 6, 3; 3, 1; 1, 5; 5, 2.

Positions mounted.—Nos. 1 and 3 on limber.

" 4 " 5 on gun axletree seats.

" 8 between 2 and 3.

If only four horses, No. 7 on off lead, No. 6 between 2 and 3.

By order.

D. T. IRWIN, Lt.-Col.,

Inspector of Artillery.

Ottawa, 25th April, 1890.

Annual Gun Practice, 1890—Field Batteries.

GENERAL REGULATIONS.

1. In accordance with G. O. (7), 30-5-90, the following instructions are issued for the Annual Gun Practice of the Field Batteries in the Dominion:—

2. Batteries which perform their drill in camp in the vicinity of which a land or water range can be obtained, will carry out the following instructional practice:

(a.) *Range finding by sections.*—The entire Battery will parade in drill order, with practice ammunition as detailed in circular No. 1, 1890—equally distributed in the limbers, march to the practice ground and will be halted if possible under cover, but at least 100 yards in rear of the firing point—and be ordered to “Prepare for action.”

(b.) The target will consist of a barrel or large cask, moored or placed at any distance between 1800 and 2500 yards. A small flag in the target will be found very advantageous. The range party will not signal any of the shells, but will keep a record of the estimated distance from the target at which each shell strikes the plane, or bursts.

(c.) Upon the command “Right (or Left) Section advance for action,” the named section will advance at a trot and come into action at the firing points indicated by the Officer Commanding.

(d.) The officer in charge of the section will then give the command to load with shell and state the elevation to be given. When the guns are loaded No. 1 gives “Take post”—the officer will look over the sights and direct any alteration he may think necessary to be carried out. The officer superintending the practice will give the order to “commence firing.” No. 1 gun will then be fired, and according as the shell is short or over, the elevation of No. 2 gun will be altered so as to ensure the shell falling on the opposite side of the target. Three rounds will be fired from each gun by the first (previously selected) No. 1 or Layer, according to the rules laid down for finding the long and short brackets. (Annual practice, 1889.)

(e.) Upon the completion of these rounds the section will be ordered to “cease firing,” limber up, and retire to the original halting ground, and the other section to advance and go through the same practice and retire.

(f.) The first section will then advance, and fire a second series of three rounds of shell from each gun, taking advantage of the elevation already obtained. These rounds will be laid by the second No. 1 or selected Layer. The section will then remain at the firing point until the second section has completed its second series.

(g.) The whole battery will then be ordered by the Officer Commanding to fire shrapnel, the fuze being bored at the number of graduations ordered by the officer in charge of each section. The first round will be laid by the first No. 1, and the next by the second

No. 1, any
perly made
order of th

(h.) A
exactitude
“Advance
firing” unt
of the eleva
shot. The
direction w
only comp
sections of
in camp w
and for ran

3. A
been auth
arrangeme
tion as to
quently.

4. Rev
strictly ad
elsewhere.

5. Off
at Kingsto
according

27th M

Field Ar

Detac
gunners fr
castle and

Trans
and also an
absent from

Trans
G. T. R. to

The n
(7) 30th M

The ra
The R
of Artillery

No. 1, any necessary alteration in the boring of the fuze being properly made—under instructions—and the guns fired in rotation at the order of the Officer Commanding Battery.

(h.) All the above operations are to be performed with the *greatest exactitude and celerity*. The time will be taken from the command "Advance for action" until "Take post," and again from "Commence firing" until each series is completed. *Each officer should keep a record of the elevation given to each gun of his section and the result of each shot.* The yard scale only will be used for elevation. Points for direction will be given by the officer superintending the practice. The only competition sanctioned in the above practice, will be between sections of the same battery. The officer commanding the artillery in camp will make the necessary arrangements for providing targets and for range duties.

3. A general meeting for field artillery competitive practice has been authorized to be held at Kingston during September, under arrangements similar to those authorized in 1889. Detailed information as to dates, transport, messing, etc., will be published subsequently.

4. Revised Rules for Practice have been published and will be strictly adhered to in all artillery competitive practice at Kingston or elsewhere.

5. Officers commanding batteries which practise elsewhere than at Kingston, will make the necessary requisitions for ammunition according to the scale authorized in G. O. without delay.

D. T. IRWIN, Lt.-Col.,

27th May, 1890.

Insp. Artillery.

Field Artillery Competition, Kingston, 16th to 20th Sept., 1890.

Detachments will consist of four officers and eight n. c. o.'s or gunners from all Batteries except those of Winnipeg, Sydney, Newcastle and Woodstock.

Transport will be allowed from Battery Headquarters and return, and also an allowance of 75 cents per day for each day necessarily absent from Battery Headquarters.

Transport can be obtained at single fare by either the C. P. R. or G. T. R. to Kingston and return.

The number of rounds to be expended will be as detailed in G.O. (7) 30th May, 1890.

The range will not be less than 1900 yards.

The Rules for Practice will be those published by the Inspector of Artillery for 1890.

The Officers' Practice will be carried out before the competitive practice of each Battery.

Tents, blankets, camp kettles, firewood and palliasses will be issued on the practice ground by the Camp Quartermaster.

An Officers' Mess will be established, and cooking facilities provided for the n.c.o.'s and gunners.

Rations can be purchased on the ground, and each detachment must make its own cooking arrangements. Each man will be required to bring with him into camp the following articles:—tin plate, cup or canteen, knife, fork and spoon.

Officers and men will be required to contribute at fixed rates to their respective messes.

Officers commanding Batteries will communicate as soon as possible with the Adjutant R. S. Artillery, Kingston, notifying the date of arrival, duration of stay in camp, and number of officers.

Detachments must come to camp in Marching Order.

Transport will be provided from Railway Station, Kingston, to Camp.

The hour each detachment will be required to be at the guns will be notified by the Camp Adjutant in orders. Detachments must be present and complete ten minutes previously, under charge of an officer, who will remain with his detachment during its practice. The officer will hand a list of the competitors to the Umpire.

Detachments to parade in clean fatigue dress.

The Umpire will have full discretionary powers to disqualify any detachment, or to inflict a penalty of from 2 to 5 points for each irregularity or mistake at drill noticed by him.

Ties to be decided by—

1. Points for direction.
2. Common shell score.
3. Time.

The following will be the order of firing of the several detachments, subject to necessary modification by the Camp Commandant:

TUESDAY, 16TH SEPT.—Welland Canal.

Hamilton.
Shefford.

WEDNESDAY, 17TH SEPT.—1st Brigade. 2 Batteries.

Kingston.

THURSDAY, 18TH SEPT.—Durham.

Ottawa.
Richmond.

FRIDAY, 19TH SEPT.—Toronto.

London.
Quebec.

SATURDAY, 20TH SEPT.—Montreal.

Gananoque.

CAMP
CAMP
RANC
UMPI
CAMP
REGI
Gunner M

1. On
report to
be taken
two officer
to a tent
lished in
the N. C.
him one ti

2. Al
duty that
officers no
detachmen
be present

3. Th
responsibl
and for th
responsibl
palliasses

4. Of
Camp Qu
any of the
such dama

5. No
lines unles
sleep out

6. R
B
D
T
R
18
21
L

CAMP COMMANDANT—Lt.-Col. Irwin, I. of A.
 CAMP ADJUTANT—Lieut. Gaudet, C. A.
 RANGE OFFICER—Capt. Hudon, C. A.
 UMPIRE—Lt.-Col. Cotton, C. A.
 CAMP QUARTERMASTER—Major Fraser, C. A.
 REGISTER KEEPERS—Capt. Donaldson, Sec. D. A. A.; Master
 Gunner Mahar, C. A.

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

Gun Practice 1890.

STANDING ORDERS FOR ARTILLERY CAMPS.

1. On arrival at camp the officer in command of detachments will report to the Camp Adjutant, who will detail the tents, stores, etc., to be taken over by the detachments. The general distribution will be two officers to a tent; non-com. officers and gunners, seven or eight to a tent; field officers a tent each. An officers' mess will be established in camp, and rations and cooking arrangements provided for the N. C. officers and gunners. Each man is required to bring with him one tin plate, one cup or canteen, and knife, fork and spoon.

2. All officers and men forming the camp will be liable for any duty that may be required. When detachments are paraded all officers not detailed for special duty will parade and march with their detachments to practice or drill, as the case may be. One officer must be present with his detachment during practice.

3. The senior non-com. officer or gunner of each tent will be held responsible for the quietness and order of the men under his charge, and for their being present in the tent at Roll Call. He will also be responsible for the general cleanliness of his tent, and will see that the palliasses are properly rolled and appointments securely placed.

4. Officers in charge of detachments will be responsible to the Camp Quartermaster for the tents and stores issued to them. Should any of these stores be damaged or missing the regulation price for such damage or loss will be charged to the officer in command.

5. No non-com. officers or gunners are allowed to leave the camp lines unless properly dressed to go out. Officers and men desiring to sleep out of camp must obtain leave of absence.

6. Reveillé will sound at 5.30 a.m.
- Breakfast, from 6 to 7 a.m.
- Dinner from 12.30 to 1.30 p.m.
- Tea from 5.30 to 6 p.m.
- Retreat at Sunset.
- 1st Post at 9.30 p.m.
- 2nd Post at 10 p.m.
- Lights out 10.30 p.m.

7. The necessary detail for gun practice, etc., will be published in Camp Orders daily by the Commandant.

8. The following detail will be furnished by the Royal School of Artillery, viz:

- Two Range Officers.
- 1 Laboratory Foreman and 1 Assistant.
- 1 Cook and 1 Assistant.
- 1 P. O. Orderly.
- 1 Brigade Orderly Sergeant.
- 1 N. C. Officer and 6 Gunners (Flying Sentry, Fatigues, etc.).
- 1 Trumpeter.
- 1 N. C. Officer (acting Q. M. S.).

FIRING REGULATIONS.

9. Every movement must be steadily and correctly performed in strict conformity to regulations; at any deviation therefrom the words "*Stand fast*" shall be given by the Umpire, who shall point out the error, and when the correction is made the words "*Go on*" will be given; the time so lost will not be allowed for. Time will be allowed for any unavoidable delay, such as a miss-fire through breaking or fault of friction tube, or anything that is not the fault of the detachment, according to the decision of the Umpire, who shall give the word "*Stop*." When the word "*Commence*" is again given, the numbers will proceed with the working of the gun.

10. The full penalty of loss of five points will be incurred for the following, viz:

- a. Neglect to use sufficient force to screw up the breech of the 40-pr-gun after loading.
- b. When the number whose duty it is to fire the gun, does so before the word "Fire" is given by the No. 1.
- c. Sponging out or loading without the vent being properly served.

11. Lots shall be drawn for the order of firing; each No. 1 when he has fired his rounds will take the place of the next number whose turn it is to fire. The officers firing with each detachment will do so before the N. C. officers or gunners commence; and under the same rules.

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

Annual Gun Practice, 1890.

GARRISON BATTERIES.

1. In accordance with G. O. (7) 30-5-90, the following arrangements will be made for the Annual Gun Practice of Garrison Batteries or Brigades in the Dominion.

2. With the approval and sanction of the Honorable the Minister of Militia and Defence and the Major-General Commanding the

Militia, a
ing the sec
Artillery

3. Tr
and return
Montreal
and Princ
achment
Brigade e

4. Ea
missioned
posed of r

5. Su
detachme
ber of det
of Batteri

6. De
subsequer

7. O
necessary
for ammu
do not int

8. R
Officers' i
tion firing

9. S

June

The
be held :-
Firi
achment

Ran
Offi
officers p

(a.)
before h

Militia, a Garrison Artillery competition will be held at Quebec during the second week of September, under the auspices of the Dominion Artillery Association.

3. Transport will be provided from local headquarters to Quebec and return, for not more than four detachments from the Halifax and Montreal Brigades, and three detachments from the New Brunswick and Prince Edward Island Brigades, and for not more than one detachment from each other affiliated Battery, the British Columbia Brigade excepted.

4. Each detachment to consist of two officers and seven non-commissioned officers or gunners, and those from Brigades may be composed of representatives selected from the whole Brigade.

5. Subject to the above provisions there will be no objections to detachments being sent from each Battery in a Brigade, but the number of detachments from Brigades will be deducted from the number of Batteries authorized to practice at headquarters.

6. Detailed rules for the above competition will be published subsequently.

7. Officers commanding Brigades and Batteries will make the necessary requisition, in accordance with G.O. 30-5-90, without delay, for ammunition to be used at local headquarters by Batteries which do not intend to send representative detachments to Quebec.

8. Rules for practice, as published by Inspector of Artillery, 1890. Officers' instructional practice will be carried out before the competition firing.

9. Standing orders for Artillery Camps 1889 will remain in force.

D. T. IRWIN, Lt.-Colonel,

Inspector of Artillery.

June 28th, 1890.

Garrison Artillery Competition, Quebec, 1890.

GENERAL REGULATIONS.

The following Firing and Shifting Ordnance Competitions will be held:—

Firing Competitions.—Four competitors selected from each detachment of seven N. C. officers or gunners. To fire each:—

64-pr. R.M.L. gun—Common shell, plugged-	- 3
“ “ —Shrapnel shell, time fuze	- 1

Total - - - - - 4

40-pr. R.B.L. gun—Common shell, plugged - 3

Range for 64-pr. about 2,000 yds., and for 40-pr. about 1,700 yds.

Officers' Competition.—(64-pr. R.M.L. gun) open to all combatant officers present with detachments. To fire each:—

Common shell, plugged	- - - 4
-----------------------	---------

GENERAL RULES FOR ABOVE COMPETITIONS.

(a.) Each detachment to be present and complete ten minutes before hour fixed, the officer in charge, who will remain with his de-

tachment during its practice, to be provided with a list of their names, which he will hand to the Umpire, who will decide the order of firing by lot.

(b.) Detachments to parade in clean fatigue dress for competition.

(c.) If considered necessary, two trial shots from each nature of gun may be fired by the Umpire at the commencement of each day's firing, or if target has to be shifted,—the results to be signalled and fully recorded.

(d.) The Umpire will have full discretionary powers to disqualify any detachment, or to inflict a penalty of from two to five points for each irregularity or mistake at drill noticed by him.

(e.) Ties to be decided by—

1. Points for direction.
2. Common shell score.
3. Time.

If still a tie, then by firing 40-pr. plugged shell at longer range.

(f.) General rules for practice as published by Inspector of Artillery. Umpire's decision to be final. No appeal.

The following will be the order of firing of the several detachments,—subject to necessary modifications at the discretion of the Camp Commandant:—

MONDAY—N. B. Bde., 3 Batteries.

Pictou Battery.

No. 2 By., Levis.

TUESDAY—Montreal Bde., 5 Batteries.

N. B. Bde., Shifting Ordnance.

WEDNESDAY—Montreal Bde., 1 Battery.

P. E. I. Bde., 3 Batteries.

No. 2 Battery, Quebec.

Montreal Bde., Shifting Ordnance.

THURSDAY—Halifax Bde., 4 Batteries.

Yarmouth Battery.

P. E. I. Bde., Shifting Ordnance.

FRIDAY—Halifax Bde., 3 Batteries.

Cobourg Battery.

No. 1 Battery, Levis.

Halifax Bde., Shifting Ordnance.

Inspector and Assistant Inspectors of Artillery will act as Umpires with power to add to their number.

Executive Officer and Camp Adjutant, Capt. Rutherford, C.A.

Camp Quartermaster and Transport Officer, Major Crawford Lindsay, Quebec Field Battery.

Register Keeper—Capt. Donaldson, Secretary D. A. Association.

Range officers and working parties furnished by "B" Battery, C.A.

Officers Comdg. Brigades and independent Batteries, will apply to the Deputy Adjutant General of their District for the necessary transport requisitions.

D. T. IRWIN, Lt.-Colonel,

Inspector of Artillery.

Ottawa, 7th August, 1890.

To
of silver
To
highest i
Score
made.

Badges a
Prizes, v

Aggrega
Individu
1st
2nd
Badges a

Aggrega
Individu
1st
2nd
Badges a

Ran
Artillery
of Field

Aggrega

*Cup to l
score in Prov

Prize List, 1890.

Firing Competitions.

BADGES.

To the highest score in each battery—field or garrison—a badge of silver cross guns.

To the four next highest in a field battery and the two next highest in a garrison battery, a badge of embroidered cross guns each.

Scores will not count for badges unless half the possible score is made.

ROYAL MILITARY COLLEGE.

Badges as for a Field Battery.

Prizes, value.....	\$25 00	
		\$25 00

ROYAL SCHOOLS OF ARTILLERY.

9-pounder R. M. L. Guns.

Aggregate	\$15 00	
-----------------	---------	--

Individual:—

1st Prize.....	6 00
----------------	------

2nd "	4 00
-------------	------

Badges as for Field Batteries.

64-pounder R. M. L. Guns..

Aggregate	15 00	
-----------------	-------	--

Individual:—

1st Prize.....	6 00
----------------	------

2nd "	4 00
-------------	------

Badges as for Garrison Battery.		50 00
---------------------------------	--	-------

FIELD BATTERIES.

Range finding practice as per Circular published by Inspector of Artillery: Section making highest score in each battery, four copies of Field Artillery Manual.

GENERAL COMPETITION.

9-pounder R. M. L. Guns.

Aggregate Scores—1*	Oswald Cup and	\$30 00	
2		25 00	
3		20 00	
4		15 00	
5		10 00	
			100 00

*Cup to become the property of any Battery winning it two years in succession. Battery making highest score in Province of Ontario gets the Montizambert Cup on the same conditions.

Individual Scores—I at \$15.....	\$15 00	
2 " 10.....	20 00	
2 " 8.....	16 00	
3 " 6.....	18 00	
3 " 5.....	15 00	
4 " 4.....	16 00	
5 " 3.....	15 00	
5 " 2.....	10 00	
		\$125 00

OFFICERS' COMPETITION.

1st Prize	value	\$25 00	
2nd "	"	15 00	
3rd "	"	10 00	
			50 00

GARRISON BATTERIES.

COMPETITIONS AT ISLAND OF ORLEANS.

64-pounder R. M. L. Guns.

Aggregate Scores—I	\$25 00	
2	15 00	
3	10 00	
		50 00
Individual Scores—I at \$10.....	\$10 00	
2 " 8.....	16 00	
2 " 6.....	12 00	
6 " 2.....	12 00	
		50 00

40-pounder B. L. R. Guns.

Aggregate Scores—I	\$20 00	
2	12 00	
3	8 00	
		40 00
Individual Scores—I at \$8.....	\$ 8 00	
2 " 5.....	10 00	
3 " 4.....	12 00	
5 " 2.....	10 00	
		40 00

Aggregate 64 and 40-pounder Guns.

1	\$15 00	
2	10 00	
		25 00

OFFICERS' COMPETITION.

1st Prize	value	\$20 00	
2nd "	"	12 00	
3rd "	"	8 00	
			40 00

1st Prize
2nd "Batt
British C1 Gzows
2
3Cup
in succes

Royal S

Shift A.

Shift B.

One
prizes if
ments co

One pri

To
Kingsto
1st Priz
2nd "
3rd "

64-pounder Guns.

OFFICERS' COMPETITION—LOCAL HEADQUARTERS.

1st Prize	\$15 00	
2nd "	10 00	
		\$25 00

Batteries practising at local headquarters, including those in British Columbia, prizes at the rate of ten dollars per Battery.

Drill and Driving Competition.

1 Gzowski Challenge Cup and	\$35 00	
2	25 00	
3	15 00	
		75 00

Cup to become the property of any Battery winning it two years in succession.

Shifting Ordnance Competitions.

Royal Schools of Artillery	\$25 00
----------------------------------	---------

GARRISON BATTERIES.

ISLAND OF ORLEANS.

Shift A.—1st Prize	\$35 00	
2nd "	25 00	
3rd "	15 00	
		75 00
Shift B.—1st Prize	\$35 00	
2nd "	25 00	
3rd "	15 00	
		75 00

One first prize if only two detachments or under compete; two prizes if three detachments compete, and three prizes if five detachments compete.

BRITISH COLUMBIA.

One prize if two or more Batteries compete....	20 00
------------------------------------------------	-------

Short Course Efficiency.

To N. C. Officer or Gunner obtaining highest decimal at R. S. A., Kingston, Quebec and Victoria, each:—

1st Prize	\$12 00	
2nd "	8 00	
3rd "	5 00	
		75 00

Voluntary Drills.

Highest Average attendance, Field or Garrison.	\$20 00	
Second	10 00	
		30 00

General Efficiency.**FIELD AND GARRISON.**

- 1st. To Battery making highest total points in their respective arm, Cup or Trophy presented by His Excellency the Governor General.
 2nd. To Battery making the second highest total points, Lansdowne Cup to be held for the year, and \$25.

Points Obtainable.**FIELD BATTERIES.**

	FULL MARKS.
Clothing and Accoutrements	12
Guns, Carriages and Equipment.....	16
Horses	12
Harness and Harnessing	16
Marching Past.....	15
Gun Drill.....	28
Sword Drill	8
Manœuvres	16
Discipline and Camping.....	12
Questions { Officers.....	40
{ N. C. Officers	64
Percentage of Score, Gun Practice.....	100
Reduction for absentees, or below Establishment*	
Total.....	339

GARRISON BATTERIES.

Clothing and Accoutrements.....	5
Manual and Firing	10
Company Drill	10
Gun Drill	40
Discipline and Interior Economy.....	5
Questions { Officers.....	24
{ N. C. Officers	36
Below authorized Establishment*	
Total.....	130

*A reduction of one point from the general total gained by any battery, will be made for each N.C. Officer or Gunner below the establishment authorized for drill, whose absence at inspection is not satisfactorily accounted for under exceptional conditions.

By order.

J. B. DONALDSON, Captain,

Ottawa, 14th June, 1890.

Secretary-Treasurer.

ROYAL M

Aggregate
Individual
"

Batter

1 No. 1,
2 Wellan
3 Sheffor
4 Montre
5 Londo

Nat

1 Sergt.
2 Corpl.
3 Sergt.
4 Sergt.
5 Qr.-M
6 Sergt.
7 Corpl.
8 Sergt.
9 Qr.-M
10 Sgt.-M
11 Sergt.
12 Corpl.
13 Sergt.
14 Bomb
15 Gunn
16 Sergt.
17 Sergt.
18 Corpl.
19 Sergt.
20 Sergt.
21 Corpl.
22 Sergt.
23 Sergt.
24 Sgt.-
25 Sgt.-

1 Lieut
2 Capt.
3 Major

Summary of Prizes Awarded.

ROYAL MILITARY COLLEGE COMPETITION \$25 00

Royal Schools of Artillery.

9 PR. R.M.L. GUNS.

Aggregate Prize....."B" Battery \$15 00
Individual ".....Bdr. Morgan, "B" Battery..... 6 00
" ".....S.-Sgt. Newnham, "A" Battery..... 4 00

Field Batteries.

AGGREGATE SCORES.

Battery.	Score.	Prize.
1 No. 1, 1st Brigade	243	\$30 00
2 Welland Canal.....	212	25 00
3 Shefford	195	20 00
4 Montreal	194	15 00
5 London	182	10 00

INDIVIDUAL PRIZES.

Name.	Battery.	Score.	Dir.	C.S.	Score.	Prize.
1 Sergt. Case	London.....	41 .....	.....	.....	.....	\$15 00
2 Corpl. Hay	Durham	38	11	31 .....	.....	10 00
3 Sergt. McLean.....	Kingston	38	11	27 .....	.....	10 00
4 Sergt. Lawrence.....	No. 1, 1st Bde..	38	11	25 .....	.....	8 00
5 Qr.-Mr. Sgt. Armstrong	No. 1, 1st Bde..	38	10	29 .....	.....	8 00
6 Sergt. Kennedy	No. 2, 1st Bde..	38	10	28 .....	.....	6 00
7 Corpl. Dunn	No. 2, 1st Bde..	37	10 .....	.....	.....	6 00
8 Sergt. Harvey	Ottawa	37	8 .....	.....	.....	6 00
9 Qr.-Mr. Sgt. Hamel ...	Quebec	36 .....	.....	.....	.....	5 00
10 Sgt.-Maj. Colerick	London.....	35	11 .....	.....	.....	5 00
11 Sergt. Mitchell.....	London.....	35	10	28 .....	.....	5 00
12 Corpl. Brennan.....	Welland Canal..	35	10	27 .....	.....	4 00
13 Sergt. McDonald.....	Hamilton	35	10	22 .....	.....	4 00
14 Bombdr. Scooley.....	Welland Canal..	34	10 .....	.....	.....	4 00
15 Gunner Fowler.....	Kingston.....	34	6	28 .....	.....	4 00
16 Sergt. Williams	Shefford	34	6	24 .....	.....	3 00
17 Sergt. J. Seale	Shefford	32	7 .....	.....	.....	3 00
18 Corpl. Holbrook	Montreal	32	6 .....	.....	.....	3 00
19 Sergt. Lockhart	No. 1, 1st Bde..	31	7 .....	.....	.....	3 00
20 Sergt. Nelson	Welland Canal..	31	6 .....	.....	.....	3 00
21 Corpl. Purby.....	Shefford	31	4	22 .....	.....	2 00
22 Sergt. Balfour.....	Welland Canal..	31	4	20 .....	.....	2 00
23 Sergt. Kethro.....	Newcastle.....	30 .....	.....	.....	.....	2 00
24 Sgt.-Maj. Bertrand	Quebec	29	10 .....	.....	.....	2 00
25 Sgt.-Maj. Gilchrist	No. 1, 1st Bde..	29	6 .....	.....	.....	2 00

OFFICERS' COMPETITION.

1 Lieut. McCrae	1st Brigade.....	26 .....	.....	Value 25 00
2 Capt. Merewether	1st Brigade.....	22 .....	.....	" 15 00
3 Major King.....	Welland Canal..	20 .....	.....	" 10 00

30 00

ective arm,
General.
ints, Lans-

FULL MARKS.

12
16
12
16
15
28
8
16
12
40
64
100

339

5
10
10
40
5
24
36

130

h N.C. Officer
t satisfactorily

reasurer.

Garrison Artillery.

64 pr. R. M. L. Guns.

AGGREGATE SCORES.

1 Cobourg Battery	Mercier Trophy and	\$25 00
2 No. 2 Battery, Halifax Brigade		15 00
3 No. 2 Battery, New Brunswick Brigade		10 00

INDIVIDUAL SCORES.

Name.	Battery.	Score.	Dir.	Time.	
1 Sergt. Mulrenin	Cobourg	25	...	...	\$10 00
2 Sergt. Byres	No. 2, Halifax Bde.	24	...	...	8 00
3 Sergt. Russell	Cobourg	23	...	...	8 00
4 Sgt.-Maj. Carroll	No. 2, Halifax Bde.	22	6	8.42	6 00
5 Corpl. Theakston	No. 5 Halifax Bde.	22	6	10.00	6 00
6 Sergt. Weatherby	No. 3, Halifax Bde.	21	...	...	2 00
7 Sgt.-Maj. Jones	No. 3, Montreal Bde	20	8	10.28	2 00
8 Sergt. Marshall	No. 6, Halifax Bde.	20	8	10.30	2 00
9 Gunner Wilson	Yarmouth	20	7	...	2 00
10 Corpl. Bray	Cobourg	20	5	...	2 00
11 Bombdr. Campbell	No. 7, Halifax Bde.	19	...	...	2 00

40-pr. R. B. L. Guns.

AGGREGATE SCORES.

1 No. 3 Battery, Halifax Brigade	84 points	\$20 00
2 Yarmouth Battery	74 "	12 00
3 No. 1 Battery, Halifax Brigade	68 "	8 00

INDIVIDUAL SCORES.

Name.	Battery.	Score.	Dir.	Time.	
1 Sgt.-Maj. Case	No. 3, Halifax Bde.	27	...	...	\$8 00
2 Corpl. Gelly	No. 1, Levis	27	...	...	8 00
3 Sergt. Roy	No. 2, Levis	25	...	...	5 00
4 Gunner Thomas	No. 4, Halifax Bde.	24	...	...	4 00
5 Corpl. Pierce	No. 1, Halifax Bde.	23	5	6.22	4 00
6 Sergt. Frawley	No. 1, Halifax Bde.	23	5	9.25	4 00
7 Sergt. Bartlett	No. 4, Halifax Bde.	22	6	...	2 00
8 Gunner J. McDonald	No. 5, Halifax Bde.	22	4	6.20	2 00
9 Corpl. Spence	No. 3, Halifax Bde.	22	4	6.42	2 00
10 Sergt. Coffin	No. 2, P. E. I. Bde.	22	4	7.05	2 00
11 Gunner Alley	No. 3, P. E. I. Bde.	21	...	...	2 00

Aggregate Scores 64-pr. R. M. L. and 40-pr. R. B. L. Guns.

1 Cobourg Battery	150 points.	Turnbull Shield and ..	\$15 00
2 No. 2 Battery, Halifax Brigade	141 " (Dir. 41)		10 00

OFFICERS' COMPETITION—64-PR. GUNS.

1 Lieut. Hudon	No. 2 Battery, Quebec	Value	\$20 00
2 Capt. Martineau	No. 1 Battery, Levis	"	12 00
3 Lieut. Easton	Prince Edward Island Brigade	"	8 00

General Efficiency.

FIELD BATTERIES.

1 No. 1 Battery, 1st Brigade ..	Cup presented by His Excellency the Governor General.	
2 Hamilton Field Battery	Lansdowne Cup and	\$25 00

GARRISON ARTILLERY.

1 No. 2 Battery, P. E. I. Bde. ..	Cup presented by His Excellency the Governor General.	
2 No. 2 Battery, Halifax Bde. ..	Lansdowne Cup and	\$25 00

Firing Competition, Local Headquarters.

OFFICERS.

1	Lieut. Baxter	New Brunswick Brigade	Value	\$10 00
2	Lieut. Langan	New Brunswick Brigade	"	5 00

N. C. OFFICERS AND GUNNERS.

1	Gunner Betts	New Brunswick Brigade	\$8 00
2	Corpl. Clayton	New Brunswick Brigade	6 00
3	Bombdr. Brown	New Brunswick Brigade	4 00
4	Gunner McJunkin	New Brunswick Brigade	2 00

Short Course Efficiency.

ONTARIO.

1	Gunner E. Wigmore	Hamilton Field Battery	84.53	\$12 00
2	Bombdr. G. T. Locker	No. 1 By. 1st Bde., Guelph.	82.3	8 00
3	Sergt. S. Vankoughnet	Kingston Field Battery	78.8	5 00

QUEBEC.

1	Gunner J. P. Shand	Halifax Brigade, G. A.	83	\$12 00
2	Corpl. J. McLeod	P. E. I. Brigade, G. A.	82	8 00

Royal Military College Competition.

Report of Competition for the Dominion Artillery Association Prizes and Badges for 1890.

The Secretary Dominion Artillery Association:

1. The prizes and badges granted by the Association for 1890 were competed for by the Cadets of the 2nd and 3rd classes at the end of last term.

2. A travelling bag and a revolver were purchased with the money (\$25.00), the former being awarded to Sergt. Van Tuyl, the latter to Cadet Dumble, as the Cadets of their respective classes most distinguished in Artillery.

3. The badges were awarded for distinction in a "Skill at Arms" competition as detailed below, the subjects forming part of the obligatory course at the College.

4. Marks were awarded for six separate subjects as follows:

(i.) Instructing a detachment in various Artillery drills and exercises,—Points given for style, correctness in detailing duties and stores, and imparting <i>viva voce</i> theoretical instruction to a squad.....	Points	100
(ii.) Laying (9-pr. R.M.L. guns)	"	40
(iii.) Boring, fixing and setting wood and metal time fuze	"	10
(iv.) Knotting, splicing and reeving tackles.....	"	10
(v.) Range finding (Watkin's Field R.F)	"	30
(vi.) Judging distance (including range, height and lateral distance)	"	10

Total..... 200

RESULT.

NAME.	Drill. 100	Laying. 40	Fuzes. 10	Knot'g. 10	Range Finding 30	Judging Dist. 10	Total. 200	REMARKS.
Sergt. MacInnes ...	100	13	10	10	20	5	158	Silver badge.
Sergt. Van Tuyl ...	60	28	10	10	30	7	155	Embd. "
Corpl. Panet.....	60	37	10	6	30	9	152	" "
Cadet Macpherson..	55	36	6	7	25	4	133	" "
Cadet Courtney	70	28	10	4	10	9	131	" "

5. These prizes and badges are of great value, for they do much to stimulate an ambition among the Cadets to qualify themselves as Artillerists.

6. For next year's competition the interest will be kept up throughout the whole term (September 1890 to June 1891), a contest taking place in each subject as it is completed in the course of instruction. Thus the range finding and judging distance competitions have already been decided (November 1890), with most satisfactory results, which could scarcely have been looked for after so short a course (of only 6 or 8 hours' practice) had it not been for the desire existing among the Cadets to win these honourable distinctions.

(Signed)

E. G. EDWARDS,

R. M. College, Kingston,

Major, R. A.

21st November, 1890.

ws :

ls

n

ce

s

100

40

10

10

30

10

200

ARKS.

udge.

"

"

"

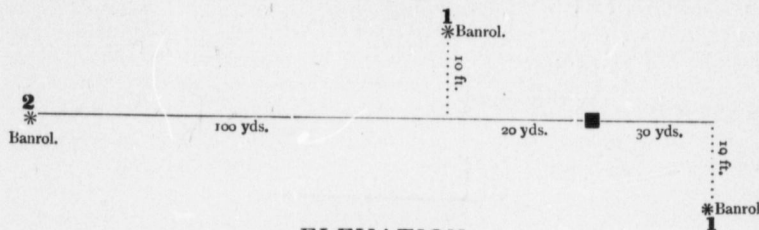
"

Rules for Practice, 1890.

1. At the discretion of the Officer superintending the Practice, two trial shots, common shell with percussion fuze, or solid shot, may be allowed at the commencement of each Battery Competition, or when two or more Batteries are firing together, or *when target has been moved to a different locality during a competition*.—Trial shots to be laid by the Umpire, on the target, without any deflection and the result signalled.
2. Before commencing, guns to be in action, time fuzes not bored, percussion fuzes may be screwed in, detachment in post at the guns or under cover.
3. Each competitor to prepare and fix his own time fuzes, and to lay his gun without verbal assistance except from the officer in command of his detachment, who may advise the competitor as to length of fuze, elevation, deflection, etc., but who must not look over or correct the laying of the gun.
4. Lots to be drawn for the order of competitive firing, and not divulged until the competitor is called out by the Umpire.
5. The Range Officer is alone responsible for points given for elevation. No appeal.
6. The danger flag will be *hoisted*, and cease firing sounded by the Range Officer when it is necessary to visit the target. When these signals are *repeated* from the Battery and the firing flag lowered, he can visit the target, lowering the danger flag and sounding command firing when he has returned to a place of safety.
7. The Officer in charge of the marking at the Battery is alone responsible for points given for direction. No appeal.
8. On all other matters the decision of the Officer superintending the practice is final. No appeal.
9. Each competitor may be told the points given for direction, and *may also select one of his Battery* to judge the effects of his shot and inform him of it, *but such assistant must not take up any position in front of that occupied by the guns*.
10. On Land Ranges, when the circumstances of the case will permit, or when two or more Batteries are practicing together, telephones may be used for signalling purposes.
11. When the signalling is by flags, and if considered necessary by the Umpire, a *white* flag may be hoisted at the Battery when shrapnel shell are to be fired. If any doubt should arise as to the signalled value of a blind shrapnel a *white* flag is to be hoisted at the Battery, and a repetition of the previous signal called for.
12. At all competitive gun practice, with Field or Garrison Guns, the result of the trial shots, and of the shrapnel shell only, will be signalled at once by the range party.

Rules for Marking.

Sea Ranges.



ELEVATION.

Common Shell or Solid Shot.

Under, between 1 and Target	3
Over, " 1 "	2
Over or under, within 5 yds. of Target	4
Direct Hit—extra	2

Shrapnel Shell—Fuze Good.

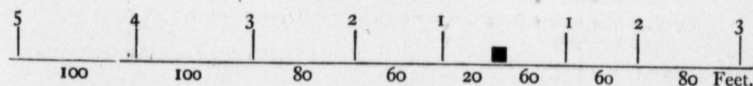
Under, between 1 and Target	3
" " 1 and 2	4
Over	0

If Fuze blind, half points as for common shell, under and over.
Direct hit—1 extra.

DIRECTION.

In line	2
Within limits	1

Land Ranges.



ELEVATION.

Common Shell or Solid Shot.

Between 1 and 1	6
" 1 " 2	4
" 2 " 3	2
Direct Hit—extra	2

Shrapnel Shell—Fuze Good.

Between 2 and Target	2
" 2 " 3	4
" 3 " 4	5
" 4 " 5	3

If Fuze blind, half points as for common shell, under and over.

Direct Hit—1 extra.

DIRECTION.

In line	2
Within limits	1

General Rules.

1. If a competitor breaks the bit in the Fuze, he will be required to bore the Fuze with another bit, at the next graduation over, or under, as the Officer superintending the Practice may decide.
2. No points to be given for shrapnel shells bursting beyond the target, whether before or after a graze.
3. Shells grazing outside limits, over or under, to have no points for elevation or fuze.
4. Shells grazing and bursting within shrapnel limit to receive points according to position of burst.

NOTE—The above scale of distances for Land Ranges is calculated for ranges over 1300 yards; below this distance to be $\frac{3}{4}$ the above.

Target for the longer ranges, 6 feet high by 8 feet wide; below 1300 yards—4 feet high by 6 feet wide.

Target to be painted *white*, with a vertical *black* band 3 to 4 feet wide.

Signalling.

Range Officer to face the Battery.

To signal values—each wave indicates 1 point.

In bounds, over—wave to the right.

" under— " left.

In line—flag to be held vertical.

Direct hit—flag to be waved right and left overhead.

} *Blue flag.*

To signal
Every 10
"

To signal
signa

Danger—
Repeat p

Field
Garr

A reduct
allowance

To signal shots out of bounds—

Every 10 yds. out of bounds, over—one wave to the right. } *White flag.*
 “ “ under “ left. }

To signal blind shrapnel.—First wave *white* flag horizontally, and then
 signal values of blind shrapnel with *blue* flag.

Danger—Cease firing—*Red* flag held vertical.

Repeat previous signal—*Red* flag waved right and left overhead.

Time Allowance.

Field guns 1 min. 30 sec. each round.

Garrison guns 2 min. 30 sec. “

A reduction of 1 point for every 30 sec. or fraction thereof beyond
 allowance.

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

Dominion Inspector of Artillery.

ROYAL SCHOOLS OF ARTILLERY.

Competition with 9-pr. R.M.L. Guns.

"A" Battery.

[illegible]

RKs.

RKs.

RKs.

RECORD OF PRACTICE, ETC.—Continued.

FIELD BATTERIES.

No. 1 Battery, 1st Brigade.

NAMES.	No. of rounds.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Sgt.-Maj. Gilchrist	1	1	6	.	7				
	2	2	6	2	10				
	3	2	.	.	.				
	4	1	6	.	7				
	5	1	.	.	.				
S.Sgt. Crowe	6	1	5	.	6	9	07	1	29
	1	1	6	.	7				
	2	2	.	.	.				
	3	2	6	.	8				
	4	1	4	.	5				
Qr.-Mr. Sgt. Armstrong	5	2	.	.	.				
	6	1	5	.	6	8	11	.	26
	1	1	6	.	7				
	2	2	4	.	6				
	3	2	4	.	6				
Sergt. Lockhart	4	2	6	2	10				
	5	1	3	.	4				
	6	2	3	.	5	7	41	.	38
	1	2	2	.	4				
	2	2	4	.	6				
Sergt. Sallows	3	2	2	.	4				
	4	1	4	.	5				
	5	2	5	.	7				
	6	2	3	.	5	7	34	.	31
	1	2	4	.	6				
Bde. Sgt.-Maj. Young	2	2	6	2	10				
	3	2	4	.	6				
	4	1	.	.	.				
	5	2	3	1	6				
	6	2	.	.	.	8	19	.	28
Sergt. Lawrence	1	2	4	.	6				
	2	1	6	.	7				
	3	1	4	.	5				
	4	2	6	2	10				
	5	2	.	.	.				
Sergt. McIntosh, W	6	2	.	.	.	8	31	.	28
	1	1	4	.	5				
	2	2	4	.	6				
	3	2	4	.	6				
	4	2	6	.	8				
Sergt. McIntosh, W	5	2	5	.	7				
	6	2	4	.	6	8	11	.	38
	1	2	2	.	4				
	2	1	4	.	5				
	3	1	2	.	3				
Sergt. McIntosh, W	4	2	.	.	.				
	5	2	5	.	7				
	6	1	5	.	6	8	16	.	25
Total								243	

NA

Corpl. Watson.

Sergt. Kennedy

Corpl. Anderson

Corpl. Dunn.

Corpl. McIntosh

Sgt.-Maj. New

Sergt. Kenned

Bde. Qr.-Mr.

E

RECORD OF PRACTICE, ETC.—Continued.

No. 2 Battery, 1st Brigade.

NAMES.	No. of round.	SCORE.			TIME		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Corpl. Watson.....	1	1	6	.	7				
	2	1	6	.	7				
	3	2	6	.	8				
	4	2	4	.	6				
	5	2	.	.	.				
	6	2	3	.	5	11	34	6	27
Sergt. Kennedy, A.....	1	2	6	2	10				
	2	1	2	.	3				
	3	1	6	.	7				
	4	2	6	.	8				
	5	2	3	.	5				
	6	2	3	.	5	8	15	.	38
Corpl. Anderson.....	1	1	6	.	7				
	2	1	6	.	7				
	3	1	4	.	5				
	4	.	2	.	.				
	5	2	3	.	5				
	6	2	2	.	4	10	44	4	24
Corpl. Dunn.....	1	1	6	.	7				
	2	2	6	.	8				
	3	2	6	2	10				
	4	1	2	.	3				
	5	2	2	.	4				
	6	2	3	.	5	8	47	.	37
Corpl. McIntosh.....	1	.	6	.	.				
	2	1	2	.	3				
	3	1	2	.	3				
	4	.	.	.	.
	5	1	.	.	.				
	6	2	3	.	5	9	32	2	9
Sgt.-Maj. Newstead.....	1	2	.	.	.				
	2	.	.	.	.
	3	1	.	.	.				
	4	2	.	.	.				
	5	1	2	.	3				
	6	2	.	.	.	9	11	1	2
Sergt. Kennedy, H.....	1	.	4	.	.				
	2	1	2	.	3				
	3	1	2	.	3				
	4	2	2	.	4				
	5	1	2	.	3				
	6	2	3	.	5	7	38	.	18
Bde. Qr.-Mr. Sgt. Thatcher...	1	2	2	.	4				
	2	2	2	.	4				
	3	1	.	.	.				
	4	2	6	.	8				
	5	2	5	.	7				
	6	1	2	.	3	8	02	.	26
Total.....								181	

RECORD OF PRACTICE, ETC.—Continued.

London Battery.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Bomb. McIntyre.....	1	2	6	.	8				
	2	2	.	.	.				
	3	2	6	2	10				
	4	2	.	.	.				
	5	2	4	.	6				
	6	2	.	.	.	7	31	24	
Qr.-Mr. Sgt. Smyth	1	1	.	.	.				
	2	.	.	.	.
	3	1	.	.	.				
	4	1	.	.	.				
	5	2	.	.	.				
	6	1	.	.	.	10	29	3	
Sergt. Taylor	1	1	2	.	3				
	2	1	.	.	.				
	3	2	.	.	.				5 points deducted for drill.
	4	.	4	.	.				
	5	1	.	.	.				
	6	1	4	.	5	8	25	8	
Sergt. Mitchell	1	1	6	.	7				
	2	2	2	.	4				
	3	2	6	2	10				
	4	1	6	.	7				
	5	2	4	.	6				
	6	2	2	.	4	10	24	3	35
Bomb. Livermore	1	2	2	.	4				
	2	2	.	.	.				
	3	2	6	.	8				
	4	1	4	.	5				
	5	1	1	.	2				
	6	2	3	.	5	8	52	24	
Sergt. Case	1	2	6	2	10				
	2	1	6	.	7				
	3	2	6	.	8				
	4	2	4	.	6				
	5	2	3	.	5				
	6	2	3	.	5	8	30	41	
Sgt.-Maj. Colerick	1	2	6	2	10				
	2	2	6	2	10				
	3	2	.	.	.				
	4	2	2	.	4				
	5	2	4	.	6				
	6	1	4	.	5	8	39	35	
Sergt. Pratt	1	1	6	.	7				
	2	.	.	.	.
	3	1	4	.	5				
	4	1	4	.	5				
	5	1	5	.	6				
	6	.	1	.	.	8	35	23	
								190	
								Deduct....	8
								Total.....	182

Qr.-Mr. Sgt. Ch

Corpl. Brennan

Sergt. Cornwall

Bomb. Scooley

Gunner Mesler

Sergt. Nelson.

Sergt. Doyle..

Sergt. Balfour.

ARKS.

ed for drill.

Hamilton Battery.

Corpl. Morg...

Bomb. Kenne

Sergt. Payne

Sergt. McCa

Corpl. Hay...

Corpl. Thomp

Sergt. Hender

Sergt. McMah

Durham Battery.

[illegible]

RECORD OF PRACTICE, ETC.—Continued.

Kingston Battery.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Gunner Fowler	1	2	6	.	8				
	2	1	6	.	7				
	3	2	4	.	6				
	4	1	6	.	7				
	5	2	.	.	.				
	6	1	5	.	6	8	15	.	34
Sergt. Crimmins	1	1	.	.	.				
	2	2	4	.	6				
	3	1	4	.	5				
	4	.	4	.	.				
	5	2	.	.	.				
	6	2	.	.	.	9	40	2	9
Sergt. Bennett	1	2	4	.	6				
	2	2	6	.	8				
	3	.	2	.	.				
	4	1	4	.	5				
	5	1	.	.	.				
	6	1	5	.	6	6	50	.	25
Corpl. Morrison	1	1	.	.	.				
	2	2	6	2	10				
	3	1	.	.	.				
	4	2	4	.	6				5 points deducted for drill.
	5	1	2	.	3				
	6	1	.	.	.	8	05	.	19
Sergt. H. McLean	1	2	6	.	8				
	2	2	2	.	4				
	3	2	6	2	10				
	4	1	4	.	5				
	5	2	2	.	4				
	6	2	5	.	7	7	54	.	38
Sergt. J. McLean	1	1	2	.	3				
	2	2	6	.	8				
	3	2	2	.	4				
	4	2	2	.	4				
	5	2	2	.	4				
	6	1	2	.	3	7	11	.	26
Corpl. Campbell	1	1	6	.	7				
	2	2	.	.	.				
	3	2	.	.	.				
	4	2	.	.	.				
	5	2	4	.	6				
	6	2	.	.	.	6	35	.	13
Sgt.-Maj. Wilmot	1	2	.	.	.				
	2	1	6	.	7				
	3	1	.	.	.				
	4	2	2	.	4				
	5	.	.	.	.
	6	2	3	.	5	8	01	.	16
									180
									Points for drill.... 5
									Total..... 175

Qr.-Mr. Sgt.

Sgt.-Maj. L.

Sergt. Nunn

Corpl. Dodd

Sergt. Akin

Sergt. Lloyd

Sergt. McN

Bomb. Bre

Gananoque Battery.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Qr.-Mr. Sgt. Karr.....	1	2	.	.	.				
	2	2	6	.	8				
	3	1	2	.	3				
	4	2	.	.	.				
	5	2	.	.	.				
Sgt.-Maj. Lloyd.....	6	2	.	.	.	7	14	.	11
	1	2	4	.	6				
	2	2	4	.	6				
	3	.	6	.	.				
	4	2	6	.	8				
Sergt. Nunn.....	5	1	2	.	3				
	6	2	.	.	.	7	47	.	23
	1	1	4	.	5				
	2	2	2	.	4				
	3	2	2	.	4				
Corpl. Dodds.....	4	1	4	.	5				
	5	2	.	.	.	7	57	.	18
	6	2	.	.	.				
	1	2	.	.	.				
	2	1	4	.	5				
Sergt. Akins.....	3	1	6	.	7				
	4	2	2	.	4				
	5	2	4	.	6				
	6	1	5	.	6	10	46	4	24
	1	1	4	.	5				
Sergt. Lloyd.....	2	1	2	.	3				
	3	2	6	2	10				
	4	1	2	.	3				
	5	2	2	.	4				
	6	2	.	.	.	7	46	.	25
Sergt. McNinch.....	1	2	4	.	6				
	2	1	2	.	3				
	3	.	.	.	.
	4	1	4	.	5				
	5	2	4	.	6				
Bomb. Breckenridge.....	6	1	.	.	.	7	00	.	20
	1	.	.	.	.
	2	2	2	.	4				
	3	2	2	.	4				
	4	1	.	.	.				
Total.....	5	.	.	.	.
	6	2	.	.	.	6	55	.	8
	1	1	.	.	.				
	2	2	6	.	8				
	3	.	.	.	.
Total.....	4	1	6	.	7				
	5	1	4	.	5				
	6	1	5	.	6	8	30	.	26
	Total.....								155

RECORD OF PRACTICE, ETC.—Continued.

Ottawa Battery.

NAMES.	No. of round.	SCORE.				TIME.		Points lost for Overtime.	Final Total	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
S.-Sgt. Thompson.....	1	2	.	.	.					
	2	1	.	.	.					
	3	2	6	.	8					
	4	2	.	.	.					
	5	.	.	.	.	
	6	2	.	.	.	6	39		8	
Gunner Gray	1	2	.	.	.					
	2	2	6	2	10					
	3	.	4	.	.					
	4	1	4	.	5					
	5	2	5	.	7					
	6	2	3	.	5	8				
Sergt. Harvey	1	2	6	2	10				27	
	2	2	6	.	8					
	3	1	6	.	7					
	4	1	6	.	7					
	5	1	.	.	.					
	6	1	4	.	5	7	45		37	
Sergt. Chattuck	1	1	6	.	7					
	2	1	6	.	7					
	3	2	4	.	6					
	4	2	.	.	.					
	5	2	3	.	5					
	6	2	.	.	.	8	02		25	
Sgt.-Maj. Ingram	1	1	2	.	3					
	2	2	2	.	4					
	3	2	.	.	.					
	4	2	.	.	.					
	5	2	.	.	.					
	6	2	3	.	5	9	12	1	11	
Sergt. Ingram	1	1	.	.	.					
	2	2	6	.	8					
	3	1	.	.	.					
	4	1	2	.	3					
	5	1	.	.	.					
	6	2	.	.	.	9	09	1	10	
Corpl. Bonnell	1	2	2	.	4					
	2	1	6	.	7					
	3	2	6	.	8					
	4	2	.	.	.					
	5	1	.	.	.					
	6	2	3	.	5	7	29		24	
Sergt. Hood	1	2	2	.	4					
	2	1	6	.	7					
	3	2	4	.	6					
	4	1	.	.	.					
	5	1	.	.	.					
	6	2	.	.	.	6	06		17	
Total.....									159	

Sergt. Walker

Corpl. Johnst

Sergt. Kenda

Bomb. Muirh

Bomb. Turto

Corpl. Porte

Qr.-Mr. Sgt

Corpl. Holb

RECORD OF PRACTICE, ETC.—Continued.

Montreal Battery,

REMARKS.

NAMES.	No. of round.	SCORE.			TIME		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Sergt. Walker.....	1	1	.	.	.				
	2	1	6	.	7				
	3	1	6	.	7				
	4	1	6	.	7				
	5	1	5	.	6				
	6	2	.	.	.	9	05	1	26
Corpl. Johnston.....	1	2	6	2	10				
	2	1	6	.	7				
	3	1	6	.	7				
	4	2	2	.	4				
	5	2	.	.	.				
	6	2	.	.	.	7	46		28
Sergt. Kendal	1	1	.	.	.				
	2	1	2	.	3				
	3	2	6	2	10				
	4	2	6	.	8				
	5	.	.	.	.
	6	2	.	.	.	8	47		21
Bomb. Muirhead.	1	1	6	.	7				
	2	2	6	.	8				
	3	1	4	.	5				
	4	.	2	.	.				
	5	.	.	.	.
	6	2	3	.	5	8	10		25
Bomb. Turton.	1	1	4	.	5				
	2	1	2	.	3				
	3	1	.	.	.				
	4	1	6	.	7				
	5	2	2	.	4				
	6	2	.	.	.	8	54		19
Corpl. Porteous	1	1	4	.	5				
	2	2	2	.	4				
	3	2	.	.	.				
	4	2	2	.	4				
	5	2	5	.	7				
	6	2	5	.	7	8	17		27
Qr.-Mr. Sgt. Mowat.....	1	2	2	.	4				
	2	2	2	.	4				
	3	1	4	.	5				
	4	1	2	.	3				
	5	2	.	.	.				
	6	1	.	.	.	9	00		16
Corpl. Holbrook.	1	1	2	.	3				
	2	1	4	.	5				
	3	2	6	2	10				
	4	2	2	.	4				
	5	2	3	.	5				
	6	2	3	.	5	8	50		32
Total.....								194	

RECORD OF PRACTICE, ETC.—Continued.

Shefford Battery.

[illegible]

RECORD OF PRACTICE, ETC.—Continued.

Quebec Battery.

NAMES	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Sergt. Cloutier.	1	.	.	.	.
	2	.	4	.	.				
	3	1	.	.	.				
	4	1	.	.	.				
	5	1	.	.	.				
	6	2	.	.	.	10	43	4	
Sergt. Moisan	1	2	.	.	.				
	2	1	.	.	.				
	3	1	.	.	.				
	4	1	.	.	.				
	5	2	.	.	.				
	6	1	.	.	.	9	40	2	
Sergt. H. Marcheterre	1	.	1	.	.				
	2	1	.	.	.				
	3	.	2	.	.				
	4	2	.	.	.				
	5	2	3	.	5				
	6	2	.	.	.	9	49	2	3
Sgt.-Maj. Bertrand.	1	2	6	.	8				
	2	2	4	.	6				
	3	2	6	.	8				
	4	2	6	2	10				
	5	1	3	.	4				
	6	1	.	.	.	12	23	7	29
Bomb. Berube.	1	2	2	.	4				
	2	.	.	.	.
	3	2	4	.	6				
	4	1	2	.	3				
	5	2	5	.	7				
	6	2	.	.	.	9	11	1	19
Sergt. Letarte	1	.	6	.	.				
	2	2	.	.	.				
	3	1	6	.	7				
	4	2	4	.	6				
	5	2	3	.	5				
	6	2	5	.	7	9	47	2	23
Qr.-Mr. Sgt. Hamel.	1	1	4	.	5				
	2	2	4	.	6				
	3	1	6	.	7				
	4	2	6	2	10				
	5	1	5	.	6				
	6	2	3	.	5	10	29	3	36
Sergt. E. Marcheterre	1	2	6	2	10				
	2	2	.	.	.				
	3	1	4	.	5				
	4	2	.	.	.				
	5	2	5	.	7				
	6	2	5	.	7	10	14	3	26
								136	
Less overtime								6	
Total								130	

RECORD OF PRACTICE, ETC.—Continued.

Newcastle Battery.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Qr.-Mr. Sgt. A. Russell	1	1	2	3					
	2	2	6	8					
	3	1	6	7					
	4	1	6	7					
	5	2	3	5					
	6	2	2	4	11	72	5	29	
Corpl. J. Williston	1	1	4	5					
	2	2	2	4					
	3	1	6	7					
	4	1	2	3					
	5		5						
	6	2	5	7	12	17	7	19	
Corpl. T. Norton	1	1	2	3					
	2								
	3	2	2	4					
	4	2	2	4					
	5	1	2	3					
	6	1			14	12	11	3	
Sergt. H. Kethro	1	2	4	6					
	2	2	4	6					
	3	2	6	8					
	4	1	6	7					
	5	1	4	5					
	6	2			9	55	2	30	
Sergt. A. Matheson	1	2	6	8					
	2	2	6	8					
	3	2							
	4	1							
	5	2							
	6	1			10	17	3	13	
Sgt.-Maj. Tushie ..	1	2	6	8					
	2	1	4	5					
	3	2	4	6					
	4	1	2	3					
	5								
	6	1	3	4	15	34	14	12	
Bomb. H. Russell	1	2	4	6					
	2	2	6	8					
	3	2	6	8					
	4								
	5	2	2	4					
	6				8	35		26	
Sergt. M. O'Shaughnessy	1	2	2	4					
	2	2	2	4					
	3	1	2	3					
	4	2							
	5	1	2	3					
	6	2	3	5	10	34	4	15	
								147	
Hits on target not recorded.								16	
Total.....								163	

Lieut. M.
1st ECaptain M.
1st IMaj. Kin.
WelLt.-Colo.
SheCaptain
GarMajor D.
KinLieut. F.
1stLieut. S.
1stLieut. I.
GaMajor I.
1stLieut.
GaMajor
QuLt.-Co.
NLieut.
NLieut.
MLieut.
CLieut.
V

RECORD OF PRACTICE, ETC.—Continued.

OFFICERS' COMPETITION—FIELD BATTERIES.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Min.	Sec.			
Lieut. McCrae	1	2	6	2	10				
1st Brigade.	2	2	6	2	10				
	3	2	4	6		3		26	
Captain Merewether	1	2	6	2	10				
1st Brigade.	2	2	2	4					
	3	2	6	8		4		22	
Maj. King	1	1	6	7					
Welland Canal.	2	1	4	5					
	3	2	6	8		2 30		20	
Lt.-Colonel Amyrauld	1	1	6	7					
Sheffield.	2	1	4	5					
	3	1	6	7		4 20		19	
Captain McKenzie	1	2	4	6					
Gananoque.	2	1	6	7					
	3	1	4	5		3 14		18	
Major Drennan	1	1	4	5					
Kingston.	2	1	4	5					
	3	2	6	8		3 44		18	
Lieut. Ross	1	2	2	4					
1st Brigade.	2	1	4	5					
	3	2	6	8		3 49		17	
Lieut. Simpson	1	2	2	4					
1st Brigade.	2	2	4	6					
	3	1	6	7		3 54		17	
Lieut. Robinson	1	1	6	7					
Gananoque.	2	2	6	2 10					
	3	1				4 23		17	
Major Nicoll	1		6						
1st Brigade.	2	1	6	7					
	3	2	6	2 10		2 44		17	
Lieut. Hough	1	1	6	7					
Gananoque.	2	2	6	2 10					
	3		4			3 50		17	
Major Lindsay	1	2	6	2 10					
Quebec.	2		4						
	3	1	6	7		3 55		17	
Lt.-Colonel Call	1	1	4	5					
Newcastle.	2	1	4	5					
	3	1	6	7		4 10		17	
Lieut. Maltby	1								
Newcastle.	2	2	6	8					
	3	2	6	8		3 50		16	
Lieut. Costigan	1	2	2	4					
Montreal.	2	1	2	3					
	3	2	6	8		2 31		15	
Lieut. Hurdman	1	2	2	4					
Ottawa.	2	1	6	7					
	3	2	2	4		3 23		15	
Lieut. Ecclestone	1	2	2	4					
Welland Canal.	2	1	6	7					
	3	1	2	3		3 17		14	

RECORD OF PRACTICE, ETC.—Continued.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Lieut. Davidson.....	1	2	.	.	.	.	.	.
Newcastle.	2	1	4	.	5	.	.	.	
	3	2	6	.	8	3	14	.	13
Lieut. Snider.....	1	1	4	.	5	.	.	.	
Durham.	2	2	6	.	8	.	.	.	
	3	2	.	.	.	4	59	1	12
Major McLean.....	1	1	2	.	3	.	.	.	
Durham.	2	2	4	.	6	.	.	.	
	3	1	2	.	3	3	44	.	12
Captain Hall.....	1	1	6	.	7	.	.	.	
Montreal.	2	1	4	.	5	.	.	.	
	3	1	.	.	.	4	17	.	12
Lieut. Knowies.....	1	.	6	.	.	.	.	.
1st Brigade.	2	2	4	.	6	.	.	.	
	3	1	4	.	5	2	23	.	11
Captain Garneau.....	1	2	2	.	4	.	.	.	
Quebec.	2	2	4	.	6	.	.	.	
	3	1	.	.	.	3	51	.	10
Captain Murchison.....	1	1	6	.	7	.	.	.	
1st Brigade.	2	1	2	.	3	.	.	.	
	3	.	6	.	.	4	03	.	10
Captain Lawlor.....	1	1	4	.	5	.	.	.	
Newcastle.	2	2	2	.	4	.	.	.	
	3	.	.	.	.	2	54	.	9
Lt.-Colonel Stevenson.....	1	1	2	.	3	.	.	.	
Montreal.	2	1	2	.	3	.	.	.	
	3	1	4	.	5	5	05	2	9
Captain Williams.....	1	1	4	.	5	.	.	.	
London.	2	.	6	.	.	.	.	.
	3	1	2	.	3	3	31	.	8
Lt.-Colonel McKenzie.....	1	2	.	.	.	.	.	.
Gananoque.	2	1	.	.	.	.	.	.
	3	1	6	.	7	3	12	.	7
Lieut. Hooper.....	1	1	2	.	3	.	.	.	
Montreal.	2	1	.	.	.	.	.	.
	3	2	2	.	4	4	07	.	7
Lieut. Duncan.....	1	2	.	.	.	.	.	.
Hamilton.	2	1	6	.	7	.	.	.	
	3	.	2	.	.	4	20	.	7
Captain Milligan.....	1	1	.	.	.	.	.	.
Durham.	2	2	.	.	.	.	.	.
	3	2	4	.	6	3	16	.	6
Major Stewart.....	1	.	.	.	.	.	.	.
Ottawa.	2	2	2	.	4	.	.	.	
	3	1	.	.	.	3	16	.	4

GARR

Gunner

Sergt. G

Sergt. I

Gunner

Corpl. I

Gunner

Gunner

Gunner

5.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Gunner Perry.....	1	1	6	.	7				
	2	.	2	.	.				
	3	2	4	.	6				
	4	1	.	.	.	9	50	.	13
Sergt. Gray.....	1	1	.	.	.				
	2	1	4	.	5				
	3	2	4	.	6				
	4	1	3	.	4	10	40	.	13
Sergt. Lee.....	1	1	2	.	3				
	2	1	4	.	5				
	3	2	6	.	8				
	4	2	.	.	.	10	30	1	15
Gunner McCavour.....	1	1	6	.	7				
	2	1	6	.	7				
	3	1	.	.	.				
	4	2	5	.	7	11	20	3	18
Total.....								59	

No. 4 Battery.

[illegible]

RECORD OF PRACTICE, ETC.—Continued.

No. 5 Battery, N. B. Bde.

NAMES.	No. of round,	SCORE.			TIME.		Final Total	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.			Sec.
Sergt. Cooper.....	1	1	.	.				
	2	2	.	.				
	3	2	.	.				
	4	2	.	.		10		
Corpl. Brownell.....	1	2	.	.				
	2	1	.	.				
	3	2	6	.	8			
	4	2	.	.		8	55	8
Corpl. Raynes	1	.	4	.				
	2	1	.	.				
	3	2	6	.	8			
	4	1	.	.		9	53	8
Gunner Miller.....	1	2	.	.				
	2	1	4	.	5			
	3	2	4	.	6			
	4	2	3	.	5	9	03	16
Total.....					32			

P. E. Island Brigade—No. 1 Battery.

[illegible]

Corpl. C

Gunner

Gunner

Sergt. C

Gunner

Gunner

Gunner

Gunner

G

RECORD OF PRACTICE, ETC.—Continued.

No. 2 Battery, P. E. I. Bde.

NAMES.	No. of round.	SCORE.			TIME		Points lost for Overtime.	Final Total.	REMARKS
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Corpl. Quigley.....	1	2	2	.	4				
	2	.	.	.	.
	3	1	6	.	7				
	4	2	3	.	5	11	21	3	13
Gunner Johnson..	1	2	6	.	8				
	2	2	2	.	4				
	3	1	2	.	3				
	4	1	3	.	4	8	23	.	19
Gunner McLaren.....	1	2	.	.	.				
	2	1	4	.	5				
	3	2	4	.	6				
	4	1	3	.	4	8	29	.	15
Sergt. Coffin.....	1	1	.	.	.				
	2	.	2	.	.				
	3	2	2	.	4				
	4	1	3	.	4	9	01	.	8
Total.....									55

No. 3 Battery, P. E. I. Bde.

Gunner Alley.....	1	1	.	.	.				
	2	1	2	.	3				
	3	1	.	.	.				
	4	2	4	.	6	10	14	1	8
Gunner Wickwire	1	1	6	.	7				
	2	.	.	.	.
	3	1	.	.	.				
	4	.	4	.	.	13	12	7	..
Gunner Owen.....	1	1	.	.	.				
	2	1	4	.	5				
	3	.	4	.	.				
	4	2	.	.	.	11	12	3	2
Gunner McCormick.....	1	1	6	.	7				
	2	1	4	.	5				
	3	1	.	.	.				
	4	1	4	.	5	13	..	6	11
Total.....									21

NAMES.	No. of round.	SCORE.				TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
Corpl. Samson.....	1	1	.	.	.					
	2	1	.	.	.					
	3	2	.	.	.					
	4	2	.	.	.	11	23	3	-3	
Sergt. A. Roy	1	2	4	.	6					
	2	1	6	.	7					
	3	1	2	.	3					
	4	2	3	.	5	11	30	3	18	
Sergt. Girard	1	2	2	.	4					
	2	1	4	.	5					
	3	2	6	.	8					
	4	2	2	.	4	11	43	4	17	
Sergt. Bergeron	1	2	4	.	6					
	2	.	2	.	.					
	3	2	.	.	.					
	4	14	29	9	-3	
		Total						29		

Sgt.-Maj. Lamontagne.....	1	2	.	.	.		
	2	1	4	.	5		
	3	2	6	.	8		
	4		
Sergt. Migneault	1	2	.	.	.	9 01	13
	2	1	.	.	.		
	3	2	.	.	.		
	4	2	.	.	.		
Sergt. McKavour.....	1	2	.	.	.	10 45	2 -2
	2	2	2	.	4		
	3	2	6	.	8		
	4	1	.	.	.		
	1	1	.	.	.	5 25	12
Gunner Frenette	2	1	4	.	5		
	3	1	.	.	.		
	4	2	.	.	.	10 ..	5
Total.....							28

Sgt.-M

RECORD OF PRACTICE, ETC.—Continued.

Montreal Brigade—No. 1 Battery.

NAMES.	No. of round.	SCORE.				TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
Bon'b. Kyle	1	2	.	.	.					
	2	1	4	.	5					
	3	2	2	.	4					
	4	1	.	.	.	15	..	10	-1	
Sergt. Courtney.....	1	.	2	.	.					
	2	.	4	.	.					
	3	1	6	.	7					
	4	1	5	.	6	10	52	2	11	
Corpl. Clarke.....	1	1	2	.	3					
	2	.	.	.	.	
	3	1	2	.	3					
	4	2	.	.	.	14	27	9	-3	
Gunner Rogerson	1	1	2	.	3					
	2	1	6	.	7					
	3	1	2	.	3					
	4	2	.	.	.	8	57	.	13	
					Total.....				20	

No. 2 Battery.

Sergt. Poole.....	1	1	.	.	.			
	2	.	.	.	.
	3	2	6	.	8			
	4	.	.	.	.	12	20	5
Corpl. Nicolls.....	1	1	4	.	5			3
	2	2	4	.	6			
	3	2	2	.	4			
	4	2	.	.	.	10	20	1
Bomb. Brown.....	1	1	2	.	3			14
	2	2	.	.	.			
	3	2	.	.	.			
	4	2	3	.	5	10	.	8
Sgt.-Maj. Beattie.....	1	2	4	.	6			
	2	2	.	.	.			
	3	2	2	.	4			
	4	2	5	.	7	13	37	8
Total.....								34

RECORD OF PRACTICE, ETC.—*Continued.*

No. 3 Battery, Montreal Bde.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Gunner Morrison.....	1	1	6	.	7				
	2	1	6	.	7				
	3	2	2	.	4				
	4	2	.	.		12	08	5	13
Sgt.-Maj. Jones.....	1	2	.	.					
	2	2	4	.	6				
	3	2	6	.	8				
	4	2	5	.	7	10	28	1	20
Sergt. McDonald.	1	2	.	.					
	2	2	2	.	4				
	3	1	.	.					
	4	.	.	.		11	18	3	1
Gunner Sinn	1	1	.	.					
	2	1	4	.	5				
	3	1	2	.	3				
	4	1	.	.		12	48	6	2
Total.....								36	

No. 4. Battery.

[illegible]

Gunner

Gunner

Corpl. C

Corpl.

RECORD OF PRACTICE, ETC.—Continued.

Yarmouth Battery.

Tenth Battery.										
NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.	
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Gunner Wilson	1	1	4	.	5					
	2	2	.	.						
	3	3	6	.	8					
Gunner Clark.....	4	2	5	.	7	9	13	.	20	
	1	1	.	.						
	2	1	4	.	5					
	3	1	4	.	5					
Gunner Eldridge.....	4	1	.	.		10	11	I	9	
	1	2	2	.	4					
	2	1	2	.	3					
	3	2	4	.	6					
Corpl. Haley	4	.	.	.		9	39	.	13	
	1	1	.	.						
	2	1	2	.	3					
	3	2	4	.	6					
	4	2	.	.		11	22	3	6	
Total.....									48	

No. 1 Battery, Halifax Brigade.

Sergt. Frawley.....	I	2	.	.	.				
	2	I	2	.	3				
	3	2	2	.	4				
Sergt. Jackson	4	2	2	.	4	IO	IO	I	IO
	I	I	6	.	7				
	2	2	6	.	8				
	3	2	.	.	.				
Corpl. Pierce	4	.	.	.	.	9	IS	.	IS
	I	I	4	.	5				
	2	I	2	.	3				
	3	I	.	.	.				
Gunner McCallum.....	4	2	4	.	6	IO	40	2	12
	I	2	2	.	4				
	2	2	.	.	.				
	3	2	6	.	8				
	4	2	4	.	6	9	30	.	18
Total.....									55

Sergt.

Corpl.

Sgt.-M

Sergt.

Corpl

Gunn

Sergt

Sgt.-

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.			
Sergt. Mackay.....	1	2	.	.	.				
	2	2	2	.	4				
	3	1	4	.	5				
	4	2	2	.	4	8	02	.	13
Corpl. Marshall.....	1	1	6	.	7				
	2	2	2	.	4				
	3	1	4	.	5				
	4	1	.	.	.	8	58	.	16
Sgt.-Maj. Carroll.....	1	1	6	.	7				
	2	2	6	.	8				
	3	1	6	.	7				
	4	2	.	.	.	8	42	.	22
Sergt. Byers.....	1	2	4	.	6				
	2	2	6	.	8				
	3	2	6	.	8				
	4	1	.	.	.	7	22	.	22
<hr/> Total.....									73

[illegible]

RECORD OF PRACTICE, ETC.—Continued.

No. 4 Battery, Halifax Bde.

NAMES.	No. of round,	SCORE.				TIME.		Points lost for Overtime.	Final Total	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
Sergt. Bartlett	1	2	2	.	4					
	2	.	.	.						
	3	1	.	.						
Sergt. Broadhurst	4	1	.	.		11	10	3	1	
	1	2	4	.	6					
	2	2	.	.						
	3	1	.	.						
Gunner Burgess.....	4	2	.	.		10	17	1	5	
	1	.	6	.						
	2	1	4	.	5					
	3	1	2	.	3					
Gunner Thomas.....	4	2	.	.		8	.	.	8	
	1	2	2	.	4					
	2	2	2	.	4					
	3	2	2	.	4					
	4	1	3	.	4	9	15	.	16	
					Total.....				30	

No. 5 Battery.

Corpl. Cunningham.....	1	2	4	6				
	2	.	2	.				
	3	1	.	.				
Gunner Macdonald.....	4	2	5	7	10	45	2	11
	1	1	4	5				
	2	.	.	.				
	3	2	4	6				
Corpl. Theakston.....	4	.	.	.	9	38	.	11
	1	1	6	7				
	2	2	6	8				
	3	1	6	7				
By. Sgt.-Maj. Kiddy.....	4	2	.	.	10	.	.	22
	1	2	.	.				
	2	2	.	.				
	3	2	.	.				
	4	2	5	7	9	40	.	7
Total.....								51

RECORD OF PRACTICE, ETC.—Continued.

No. 6 Battery, Halifax Bde.

NAMES.	No. of round.	SCORE.			TIME		Points lost for Overtime.	Final Total.	REMARKS
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Sergt. Marshall	1	2	6	.	8				
	2	2	4	.	6				
	3	2	.	.	.				
	4	2	5	.	7	10	30	1	20
Sergt. Snow	1	2	4	.	6				
	2	2	2	.	4				
	3	2	4	.	6				
	4	1	.	.	.	7	02		16
Bomb. Harman	1	2	2	.	4				
	2	2	.	.	.				
	3	2	.	.	.				
	4	1	.	.	.	9	40		4
Gunner Watson	1	1	.	.	.				
	2	2	6	.	8				
	3	2	2	.	4				
	4	2	.	.	.	11	40	4	8
Total.....								48	

No. 7 Battery.

Sergt. Doane	1	.	2	.	.				
	2	.	2	.	.				
	3	1	2	.	3				
	4	.	.	.	.	9	30		3 Blind.
Corpl. Pritchard.....	1	1	2	.	3				
	2	2	6	.	8				
	3	1	.	.	.				Short.
	4	2	.	.	.	9	46		11 Short.
Bomb. Campbell	1	2	4	.	6				
	2	1	6	.	7				
	3	2	4	.	6				
	4	2	.	.	.	8	43		19 Short.
Gunner Hodgson	1	.	.	.	.				Out of bounds right.
	2	2	6	.	2 10				
	3	2	.	.	.				Short.
	4	2	.	.	.	9	40		10 Short.
Total.....								43	

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.			
Sergt. W. Russell.....	1	2	6	2	10				
	2	1	2		3				
	3	2	4		6				
	4	2	2		4	9	55	.	23
Corpl. H. Bray	1	2	2		3				
	2	2	2		4				
	3	1	6		7				
	4	1	5		6	9	36	.	20
Bomb. J. Routh.....	1	2	6		8				
	2	2	2		4				
	3	2							
	4	1	5		6	9	20	.	18
Sergt. T. Mulrenin	1	2	2		4				
	2	2	6		8				
	3	2	4		6				
	4	2	5		7	8	24	.	25
					Total.....				86

[illegible]

RECORD OF PRACTICE, ETC.—Continued.

40-pr. R. B. L. Guns.

No. 2 Battery, New Brunswick Brigade.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Gunner McCavour.....	1	2	4	.	6				
	2	2	4	.	6				
	3	1	4	.	5	9	30	.	17
Sergt. Lee.....	1	2	.	.	.				
	2	1	2	.	3				
	3	.	.	.	.	8	17	.	3 Out right.
Gunner Mullen.	1	.	2	.	.				Out right.
	2	.	.	.	.				Out left.
	3	2	2	.	4	8	20	.	4
Gunner Lord	1	2	4	.	6				
	2	.	4	.	.				Out left.
	3	1	2	.	3	7	32	.	9
Total.....					33				

No. 4 Battery, N. B. Bde.

Corpl. Hatt.....	1	1	6	.	7			
		2	2	2	.	4		
		3	2	4	.	6	7 05	17
Gunner Law	1	.	6	.	.			Wrong target.
		2	2	2	.	4		
		3	2	4	.	6	11 35	10
Gunner Kerr.....	1	1	2	.	3			
		2	1	4	.	5		
		3	2	6	.	8	12 21	16
Gunner McKay	1	1	6	.	7			
		2	.	.	.			Wrong target.
		3	2	2	.	4	8 18	11
Total.....								54

No. 5 Battery, N. B. Bde.

Gunner Linton	1	1	4	5			
	2	2	2	4			
	3	1	4	5	9	19	14
Sergt. Sample	1	2	4	6			
	2	1	.	.			
	3	2	6	8	7	20	14
Gunner Rayne	1	1	4	5			
	2	1	2	3			
	3	1	2	3	6	27	11
Corpl. Brownell	1	2	.	.			
	2	.	4	.			Wrong target.
	3	1	.	.	.	.
Total						39	

[illegible]

Sergt. C. Migneault	1	2	2	4		
	2	1	2	3		
Corpl. N. Laliberte	3	1	2	3	7	18
	1	1	2	3		10
	2	1	2	3		
Gunner L. S. Belanger	3	6			5	38
	1	1	2	3		6 Out left.
	2	1	6	7		
Gunner G. D. Dubeau	3	1	2	3	6	15
	1	2	6	8		13
	2	1	6	7		
	3	1	2	3	5	34
Total						47

Gunner Stewart	1	1	.	.	.		
	2	.	2	.	.		
	3	2	6	.	8	6 03	8 Out right.
Gunner Harper	1	1	4	.	5		
	2	1	4	.	5		
	3	2	6	2	10	6 40	20
Gunner Salmon	1	.	6	.	.		Out right.
	2	1	4	.	5		
	3	1	4	.	5	5 45	10
Sgt.-Maj. Benton	1	1	2	.	3		
	2		Out right.
	3	.	.	.	6 05		3 Out right.
Total							41

No. 2 Battery, Montreal Bde.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.				Sec.
Bomb. Wight.....	1	1	6	.	7				
	2	2	.	.					
	3	.	6	.		4	15		7 Out right.
Sgt.-Maj. Beattie.....	1	1	2	.	3				
	2	1	2	.	3				
	3	.	2	.		6	11		6 Out right.
Gunner Overing.....	1	1	6	.	7				
	2	1	2	.	3				
	3	2	4	.	6	6	34		16
Gunner Heissner	1	2	6	.	8				
	2	.	2	.					
	3	2	6	.	8	5	23		Out of bounds.
								<hr/>	
					Total.....			45	

No. 3 Battery.

Sergt. McDonald.....	1	6	.	.				
	2	2	6	.	8			
	3	1	6	.	7	6	10	15
Gunner Goodfellow.....	1	1	.	.	.			
	2	2	2	.	4			
	3	2	4	.	6	7	22	10
Gunner Foreman.....	1	1	6	.	7			
	2	.	2	.	.			
	3	.	4	.	.	5	17	7
By. Sgt.-Maj. Jones	1	1	2	.	3			
	2	2	6	.	8			
	3	1	6	.	7	7	15	18
Total.....								50

No. 4. Battery.

Sergt. Finlayson	1	1	4	.	5			
	2	2	2	.	4			
	3	2	4	.	6	7	32	15
Sergt. Clarke	1	2	2	.	4			
	2	2	4	.	6			
	3	2	2	.	4	5	22	14
Sergt. Laird	1	1	2	.	3			
	2	.	.	.	.			Out right.
	3	1	4	.	5	5	13	8
Sgt.-Maj. Dowker	1	1	2	.	3			
	2	.	2	.	.			Out left.
	3	2	2	.	4	5	55	7
Total								44

NAMES.	No. of round.	SCORE.				TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
Corpl. Morris.	1	2	2	.	4					
	2	.	2	.						
	3	2	4	.	6	5	10		10	Out right.
Gunner Fradd.	1	2	4	.	6					
	2	2	6	.	8					
	3	1	.	.		6	43			
Gunner Phillips	1	1	6	.	7					
	2	1	.	.						
	3	.	.	.		5	03			
Gunner Hammond.	1	1	4	.	5					
	2	2	3	.	5					
	3	1	4	.	5	5	41		15	
Total.....									46	

Bomb. Gubian.....	1	1	6	.	7		
	2	1	4	.	5		
	3	.	2	.		6 45	12 Out right.
Gunner Edmunds	1	1	4	.	5		
	2	.	.	.			Wrong target.
	3	.	.	.		5 00	5 Out of bounds.
Sgt.-Maj. Fegan.....	1	.	.	.			Out right.
	2	1	4	.	5		
	3	.	4	.		5 15	5 Out left,
Sergt. Allison.....	1	1	2	.	3		
	2	.	4	.			Out right.
	3	1	4	.	5	5 12	8
Total.....							30

Corpl. Haley	1	1	4	5		
	2	1	6	7		
	3	1	6	7	6 10	19
Bomb. Hulsman	1	1	4	5		
	2	1	6	7		
	3	1	6	7	7 15	19
Gunner Purdy	1	1	4	5		
	2	1	6	7		
	3	1	4	5	6 33	17
Gunner Clarke	1	2	4	6		
	2	2	4	6		
	3	1	6	7	7 07	19
Total						78

No. 1 Battery, P. E. Island Brigade.

NAMES.	No. of round.	SCORE.			TIME.			Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.			
Gunner Scantlebury	1	2	2	.	4					
	2	1	.	.						
	3	1	4	.	5	7	19	.	9	
Sergt. Offer	1	1	4	.	5					
	2	.	6	.						
	3	1	6	.	7	6	06	.	12	Out of bounds right.
Bomb. Proud	1	1	2	.	3					
	2	1	4	.	5					
	3	2	2	.	4	5	53	.	12	
Corp. McDonald	1	.	6	.						Out of bounds right.
	2	.	2	.						Out of bounds right.
	3	2	4	.	6	5	07	.	6	
					Total				39	

No. 2 Battery.

[illegible]

No. 3 Battery.

Gunner Alley.....	1	1	6	.	7		
	2	1	6	.	7		
	3	1	6	.	7	7 40	21
Gunner Owen.....	1	1	4	.	5		
	2	2	.	.	.		Out under
	3	2	6	.	8	9 45	13
Gunner Wickwire	1	1	2	.	3		
	2	1	.	.	.		Out under.
	3	2	.	.	5 50		3 Out over.
Gunner McCormick.....	1	1	2	.	3		
	2	1	2	.	3		
	3	.	6	.	7 35		6 Out right.
Total.....							43

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.			
Gunner McCallum	1	2	.	.	.				
	2	2	.	.	.				
	3	2	4	.	6	7	50	.	6
Corpl. Pierce	1	2	6	.	8				
	2	2	6	.	8				
	3	1	6	.	7	6	22	.	23
Sergt. Jackson	1	1	4	.	5				
	2	1	6	.	7				
	3	2	2	.	4	5	40	.	16
Sergt Frawley	1	2	6	.	8				
	2	1	6	.	7				
	3	2	6	.	8	8	05	.	23
					Total.....				68

[illegible]

Sergt. Weatherby	1	1	4	5		
	2	1	6	7		
	3	1	2	3	6 50	15
Corpl. Spence	1	1	6	7		
	2	1	6	7		
	3	2	6	8	6 42	22
Sgt.-Maj. Case	1	1	6	7		
	2	2	6	2 10		
	3	2	6	2 10	6 23	27
Gunner Morgan	1	2	4	6		
	2	1	6	7		
	3	1	6	7	6 22	20
Total						84

RECORD OF PRACTICE, ETC.—Continued.

No. 4 Battery, Halifax Bde.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Sergt. Bartlett	1	2	4	.	6				
	2	2	4	.	6				
	3	2	6	2	10	8	25	22	
Sergt. Broadhurst	1	2	4	.	6				
	2	1	.	.	.				Out under.
	3	1	.	.	.	7	06	6	Out under.
Gunner Burgess	1	.	4	.	.				Out right.
	2	.	4	.	.				Out left.
	3	1	4	.	5	9	.	5	
Gunner Thomas	1	2	6	2	10				
	2	1	6	.	7				
	3	1	6	.	7	6	37	24	
Total								57	

No. 5 Battery.

Sgt.-Maj. Kiddy	1	2	.	.	.				
	2	2	2	.	4				
	3	2	2	.	4	6	08	8	
Corpl. Theakston	1	1	.	.	.				Out over.
	2	1	2	.	3				
	3	1	4	.	5	5	50	8	
Gunner Macdonald	1	1	6	.	7				
	2	2	6	.	8				
	3	1	6	.	7	6	20	22	
Corpl. Cunningham	1	.	4	.	.				Out right.
	2	2	6	2	10				
	3	1	6	.	7	5	41	17	
Total								55	

No. 6 Battery.

Sergt. Marshall	1	1	4	.	5				
	2	1	6	.	7				
	3	2	4	.	6	7	.	18	
Sergt. Snow	1	2	6	.	8				
	2	1	4	.	5				
	3	1	4	.	5	5	25	18	
Bomb. Harman	1	1	6	.	7				
	2	1	6	.	7				
	3	.	.	.	.	6	30	14	Wrong target.
Gunner Watson	1	1	2	.	3				
	2	1	4	.	5				
	3	1	6	.	7	6	20	15	
Total								65	

RECORD OF PRACTICE, ETC.—Continued.

No. 7 Battery, Halifax Bde.

[illegible]

No. 1 Battery, Levis.

Sergt. Lemieux	1	1	6	7		
	2	2	2	4		
Corpl. Gelly	3	1	2	3		
	1	2	6	2	10	14
	2	1	6	7		
Sergt. Lacroix	3	2	6	2	10	
	1	2	6	2	10	27
	2		6			
	3	1	4	5		
Sergt. Martineau	1	2				
	2	1	2	3		
	3	1	6	7		
						10
Total						66

Cobourg Battery.

Sergt. W. Russell.....	1	1	4	.	5		
	2	.	2	.			
Corpl. H. Bray	3	2	6	2	10	...	15
	1	1	6	.	7		
	2	1	4	.	5		
Bomb. J. Routh.....	3	1	6	.	7	...	19
	1	1	4	.	5		
	2	1	4	.	5		
Sergt. T. Mulrenin	3	1	4	.	5	...	15
	1	1	4	.	5		
	2	2	2	.	4		
	3	2	4	.	6	...	15
Total							64

Lieut. H.
No.

Capt. M
No.

Lieut. P.

Lieut. R

Lieut. R.

Lieut. M
No

Lieut.
H

Lieut. M
Co

Lieut.
N

Lt. Col.
P.

Capt. M

Lieut.
N

Capt.
P

RECORD OF PRACTICE, ETC.—Continued.
OFFICERS' COMPETITION—GARRISON ARTILLERY.
64-pr. R. M. L. Guns—Island of Orleans.

NAMES.	No. of round.	SCORE.			TIME.		Points lost for Overtime.	Final Total.	REMARKS.
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Lieut. Hudon.....	1	2	6	.	8				
No. 2 By., Quebec.	2	1	6	.	7				
	3	2	4	.	6				
	4	2	4	.	6	10	22	1	26
Capt. Martineau.....	1	2	6	.	8				
No. 1. Levis.	2	2	2	.	4				
	3	1	4	.	5				
	4	1	4	.	5	8	11	.	22
Lieut. Easton.....	1	2	6	2	10				
P. E. I. Bde.	2	2	.	.	.				Out under.
	3	1	4	.	5				
	4	2	4	.	6	8	12	.	21
Lieut. Freeman.....	1	2	6	.	8				Tie. Lieut. Easton wins by points for direction.
	2	1	6	.	7				
	3	2	4	.	6				
	4	.	.	.	.	6	27	.	21 Out left and over.
Lieut. Harvey.....	1	2	2	.	4				
	2	2	4	.	6				
	3	2	4	.	6				
	4	1	2	.	3	9	58	.	19 Out under.
Lieut. Marsan.....	1	2	.	.	.				
No. 1 By., Levis.	2	1	4	.	5				
	3	2	4	.	6				
	4	1	6	.	7	8	56	.	18
Lieut. Wylie.....	1	2	4	.	6				Out under.
Halifax Bde.	2	1	.	.	.				
	3	1	4	.	5				
	4	1	6	.	7	9	51	.	18
Lieut. Macnachtan.....	1	2	4	.	6				
Cobourg By.	2	1	4	.	5				
	3	2	4	.	6				
	4	2	.	.	.	7	54	.	17 Out under.
Lieut. Lemelin.....	1	2	6	.	8				
No. 2 By., Levis.	2	2	.	.	.				Out over.
	3	2	6	.	8				
	4	2	.	.	.	10	.	.	16 Out over.
Lt. Col. Moore.....	1	1	4	.	5				
P. E. I. Bde.	2	1	2	.	3				
	3	1	4	.	5				
	4	1	2	.	3	7	43	.	16 Out left.
Capt. Ogilvie.....	1	.	2	.	.				
Montreal Bde.	2	1	2	.	3				
	3	1	6	.	7				
	4	1	4	.	5	9	40	.	15
Lieut. Temple.....	1	2	2	.	4				
N. B. Bde.	2	2	4	.	6				
	3	2	.	.	.				
	4	2	2	.	4	8	30	.	14
Capt. Davidson.....	1	2	2	.	4				
P. E. I. Bde.	2	1	4	.	5				
	3	1	4	.	5				
	4	2	.	.	.	8	35	.	14 Short.

RECORD OF PRACTICE, ETC. — *Continued.*

NAMES.	No. of round.	SCORE.			TIME		Points lost for Overtime.	Final Total.	REMARKS
		Dir.	Elev.	Hit.	Total.	Min.	Sec.		
Lieut. Stearnes.....	1	2	4	.	6				
P. E. I. Bde.	2	1	.	.	.				Short.
	3	2	4	.	6				
	4	1	2	.	3	10	24	1	14
Lieut. Roy.....	1	1	4	.	5				
No. 1 By., Levis.	2	1	4	.	5				
	3	1	6	.	7				
	4	1	.	.	.	11	18	3	14 Short.
Capt. Oxley.....	1	.	2	.	.				Out left.
Halifax Bde.	2	.	4	.	.				Out left.
	3	1	6	.	7				
	4	1	6	.	7	10	..	.	14
Lieut. Moore.....	1	2	.	.	.				Over.
P. E. I. Bde.	2	2	4	.	6				
	3	1	4	.	5				
	4	2	4	.	6	12	..	4	13
Capt. Vieu.....	1	2	4	.	6				
No. 2 By., Levis.	2	1	2	.	3				
	3	2	.	.	.				Over.
	4	1	2	.	3	11	25	3	9 Under.
Capt. Bissett.....	1	.	.	.	.
Montreal Bde.	2	1	6	.	7				
	3	2	4	.	6				
	4	2	.	.	.	12	..	4	9 Under.
Capt. McNaughton...	1	1	2	.	3				
Cobourg By.	2	2	.	.	.				Over.
	3	2	.	.	.				Over.
	4	2	2	.	4	9	44	.	7
Lieut. Reynolds.....	1	2	4	.	6				
	2	1	.	.	.				Over.
	3	2	.	.	.				Over.
	4	2	.	.	.	7	38	.	6 Over.
Lieut. Mowbray.....	1	2	2	.	4				
	2	2	.	.	.				
	3	2	.	.	.				Under.
	4	1	2	.	3	10	26	1	6 Under.
Capt. Jolly.....	1	.	6	.	.				
Yarmouth By.	2	2	.	.	.				Wrong target.
	3	2	2	.	4				Over.
	4	1	.	.	.	7	52	.	4 Over.
Major Cole.....	1	.	6	.	.				Out left.
Montreal Bde.	2	1	.	.	.				Under.
	3	2	2	.	4				
	4	.	.	.	.	7	34	.	4 Under.
Capt. Boulanger.....	1	2	6	.	8				
No. 2, Quebec.	2	.	.	.	.				Under.
	3	1	.	.	.				Over.
	4	1	.	.	.	12	..	4	4 Over.

[illegible]

N. B. Bde. G. A.—No. 3 Battery

sub-
ter-

each
Fie-

exc-
ma-

star-

For-

lead-

two
as s-

total
seco-

Field Batteries.

DRILL AND DRIVING COMPETITIONS

FOR GZOWSKI CUP.

Circular Issued 4th March, 1890.

To be competed for on parade during annual drill by the four sub-divisions of the Battery. The prizes to be awarded to the Batteries performing the conditions in the shortest average time.

CONDITIONS :

Nine-pounder gun and limber, four horses. Four detachments, each to consist of 1 N.-C. Officer (mounted), 6 Gunners, 2 Drivers. Field day order,—forage caps may be worn.

Harness bits with curb chains or straps are to be used—in very exceptional cases, and with the sanction of the umpire, a bridoon bit may also be used.

Detachments to be in order of march. No. 1 and Drivers—stand to their horses.

1. Gunners and Drivers prepare to mount. Mount.
2. Forward at a trot. March. Left incline. Left-shoulders. Forward. Left-Shoulders. Forward. Left incline. Halt.

The gun to be taken around two pickets, each 30 yards from the leaders, and 30 yards apart, and back again to original ground.

3. Action—front,
4. Load with drill cartridge and fire one round with friction tube.
5. Cease firing. Rear limber up.
6. Gunners prepare to mount. Mount.
7. Forward at a trot. March. Gun to be taken straight through two pickets, 3 feet high, 40 yards distant, and 6 feet 8 inches apart—as soon as 15 yards clear then :—

8. Halt. Action rear.
 9. Load with a second drill cartridge and fire one round.
 10. Front limber up. Form the order of march. Halt.
- Cartridges to be taken separately from the limber box by No. 7. Ammunition not to be carried.

For striking any of the pickets, 5 seconds to be added to the total time.

For any faults or mistakes in drill as judged by Umpire—5 seconds to be added for each.

Umpire's decision to be final. No appeal.

PRIZES:

1st—Gzowski Challenge Cup and \$35 00	
2nd.....	25 00
3rd.....	15 00

RESULT OF COMPETITION.

BATTERY.	No. of Sub-division.	Actual Time.		Added for Errors.	Corrected Time.		Average Time.	
		Min.	Sec.		Min.	Sec.	Min.	Sec.
Durham	1	2	15	5	2	20		
Port Hope.	2	2	07	10	2	17		
	3	2	10	10	2	20		
	4	2	15	20	2	35	2	23 Gzowski Cup and \$35.
Ottawa	1	2	18 ⁴ / ₅	..	2	18 ⁴ / ₅		
	2	2	13	15	2	28		
	3	2	18	5	2	23		
	4	2	31	10	2	41	2	27.7 \$25.00
No. 1 By. 1st Bde....	1	2	36	10	2	46		
Guelph.	2	2	33 ¹ / ₂	5	2	38 ¹ / ₂		
	3	2	31	7	2	38		
	4	2	23	7	2	30	2	38.1 \$15.00
Quebec	1	.	..	..	2	27 ² / ₅		
	2	.	..	..	2	39 ¹ / ₅		
	3	.	..	..	3	06 ³ / ₅		
	4	.	..	..	2	32 ⁴ / ₅	2	41.5
No. 2 By. 1st Bde....	1	2	25	15	2	40		
Guelph.	2	2	26	22	2	48		
	3	2	37	15	2	52		
	4	2	28	7	2	35	2	43.75
Montreal	1	2	25.5	15	2	40.5		
	2	2	38.5	25	3	03.5		
	3	2	22	15	2	37		
	4	2	15	20	2	35	2	44
Gananoque	1	2	21	15	2	36		
	2	2	13	20	2	33		
	3	2	49	15	3	04		
	4	2	38 ² / ₅	10	2	48 ² / ₅	2	45
Welland	1	3	21	15	3	36		
Port Colborne.	2	2	51	10	3	01		
	3	2	42	5	2	47		
	4	2	37.5	10	2	47.5	3	02.9
Kingston	1	2	41 ² / ₅	15	2	56 ² / ₅		
	2	2	43 ² / ₅	25	3	08 ² / ₅		
	3	3	03 ⁴ / ₅	35	3	38 ⁴ / ₅		
	4	2	45	25	3	10	3	13 ² / ₅

NAMES OF DRIVERS AWARDED BADGES OF CROSS-WHIPS.

"A" Battery, Reg. C. A	{	Driver E. Rider.
	{	" W. Harris.
"B" Battery, "	{	" J. Burke.
	{	" J. Laflamme.
No. 1 Bat., 1st Brigade	{	" W. Winer.
	{	" D. Black.
No. 2 " "	{	" Chas. Austin.
	{	" Robert Fyfe.
London Battery	{	" G. Jackson.
	{	" H. Hull.
Hamilton "	{	" — Anderson.
	{	" — Stewart.
Welland Canal Battery	{	
Toronto "	{	" — O'Donnell.
	{	" — Duck.
Durham "	{	" — Taylor.
	{	" — Johnston.
Kingston "	{	" B. Whitney.
	{	" A. Milne.
Gananoque "	{	Corp'l — Gray.
	{	Driver — Cornett.
Ottawa "	{	" — Johnston.
	{	" — Gray.
Montreal "	{	" Arthur Walker.
	{	" W. A. Simpson.
Shefford "	{	
Quebec "	{	" J. Boivin.
	{	" J. Thibault.
Newcastle "	{	" J. Griffith.
	{	" J. Whelan.

COMPARATIVE GENERAL EFFICIENCY OF FIELD BATTERIES.

BATTERY.	OFFICER COMMANDING.	Questions.										% of Score.	Reductions for Absentees.	TOTAL.	INSPECTING OFFICER.
		Clothing and Accoutrements.	Cann, Carriages and Equipment.	Horses.	Harness and Harnessing.	Marching Post.	Gun Drill.	Sword Drill.	Field Manoeuvres.	Discipline and Camping.	Officers.	N. C. Officers.			
	Full Marks	12	16	12	16	15	28	8	16	12	40	64	—	339	
No. 1 Bde.	Major Nicoll.	10	14	10	15	14	24	7	14	10	35	56	...	265.25	Lt.-Col. Irwin, I. of A.
Hamilton	Major Van Wagner.	11	16	11	16	14	26	6	13	12	35	63	...	264.43	" "
Montreal	Lt.-Col. Stevenson	12	16	11	14	13	27	8	12	7	35	59	5	253.90	" "
No. 2 Bde.	Major Davidson	8	14	9	15	12	22	7	12	11	38	61	11	239.90	" "
Durham	Major McLean	10	16	10	14	13	24	6	12	10	29	56	...	234.97	" Cotton.
Quebec	Major Lindsay	11	15	11	13	14	26	4	15	10	27	55	...	231.69	" Montizambert
Kingston	Major Drennan	12	16	9	16	13	22	6	11	9	28	48	...	217.50	" Cotton.
Welland Canal	Major King	8	14	11	12	13	23	...	12	7	35	35	13	215.07	" Irwin.
Newcastle	Lt.-Col. Call	8	12	11	12	13	20	4	12	10	30	34	...	205.73	" "
Ottawa	Major Stewart	10	12	9	12	13	20	4	14	10	30	34	...	198.80	" Cotton.
Gananoque	Lt.-Col. McKenzie	10	14	9	12	13	20	4	14	10	30	34	...	160.88	" "
Shefford	Lt.-Col. Amyrauld	6	10	8	10	7	20	...	10	7	29	36	24	160.13	" Irwin.
Toronto	Major Mead	8	14	9	12	13	22	7	11	8	29	36	4	...	District Staff.
London	Lt.-Col. Peters . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...

*Did not carry out annual practice.

COMPARATIVE EFFIC ENCY, GARRISON BATTERIES.

BATTERY.	OFFICER COMMANDING.	Clothing and Accoutrements.							Ques.	N. C. Officers.	Deduct for Absentees or Under Strength.	TOTAL.	INSPECTING OFFICER.
		Manual and Firing.	Company Drill.	Gun Drill.	Discipline and Interior Economy.	Officers.							
	Full Marks....	5	10	10	40	5	24	36				130	
P. E. I. Bde	No. 1 Capt. Davison ...	4	7	9	36	5	20	35	...	116			Lt.-Col. Irwin.
	" 2 Capt. Longworth.	5	8	8	35	5	22	35	...	118			" "
	" 3 Capt. Owen ...	4	8	8	18	5	12	10	...	65			District Staff.
Halifax Brigade.	No. 1 Major Purcell. ...	5	6	4	14	5	7	20	6	55			Lt.-Col. Irwin.
	" 2 Lieut. Wylde ...	5	6	5	24	5	15	27	11	76			" "
	" 3 Capt. Maxwell ...	5	7	6	19	5	23	34	10	89			" "
	" 4 Capt. Botsford ...	5	7	6	16	5	11	14	12	52			" "
	" 5 Capt. Oxley ...	5	7	8	37	5	22	33	...	117			" "
Yarmouth	" 6 Capt. Parker ...	5	7	8	30	5	23	30	7	101			" "
	" 7 Capt. Anderson ...	5	7	5	17	5	15	32	15	71			" "
	" Capt. lolly ...	5	8	7	32	5	10	29	9	96			" "
N. B. Bde.	No. 1 Capt. Crawford ...	5	9	8	35	5	19	35	...	116			" "
	" 2 Capt. Gordon ...	4	7	6	18	5	15	30	9	76			" "
	" 3 Capt. McLeod ...	4	8	7	21	5	19	25	8	81			" "
	" 4 Capt. Jones ...	5	8	8	33	5	13	34	...	106			" "
Montreal Brigade.	" 5 Capt. Steeves ...	5	7	5	17	5	17	33	5	84			" "
	No. 1 Capt. Ogilvy ...	5	8	5	16	5	1	7	2	45			Montizambert
	" 2 Capt. Howard ...	5	8	9	17	5	...	14	1	57			" "
	" 3 Capt. Bissett ...	5	8	9	17	5	6	9	2	57			" "
	" 4 Capt. Finlayson ...	5	8	9	18	5	6	28	4	75			" "
	" 5 Lieut. Reid ...	5	8	9	18	5	...	15	4	54			" "
Quebec, No. 2...	6 Capt. Crathern ...	5	8	9	19	5	...	28	5	69			" "
Levis ...	No. 1 Capt. Boulanger ...	4	8	7	30	5	22	31	...	107			" "
	" 2 Capt. Martineau ...	4	9	8	35	5	20	29	...	110			" "
Cobourg ...	" 1 Capt. Vien ...	4	7	6	30	5	...	...	...	52			" "
	" Capt. McNaughton	5	8	5	30	5	20	22	...	95			Cotton.

The following examination papers, issued by the Inspector of Artillery, are those upon which the credits in the columns "Answers to Questions, Officers and N. C. Officers," in the preceding tables were awarded:—

FIELD ARTILLERY, 1890.

OFFICERS.

Questions—(Value 5 Each.)

1. Detail the sword arm signals for Field movements.
2. Explain how the position of the Burst affects the action of time shrapnel.

3. Explain how the range may be found approximately if the width or height of the target be known.

4. What are the duties, in action, of the officer commanding a Battery?

State the detail, on parade, for the following:—

5. From Line to countermarch.
6. From Line to change front on a flank sub-division.
7. From Line to form column of sections on a flank.
8. From Column of sections to wheel into line.

NOTE.—Answers to the above questions will be found in Field Artillery Drill, Vols. II and III.

NOTE.—Not more than two of the above questions to be put to each officer present at inspection. No special order of precedence to be observed, and the same question not to be asked twice.

N. C. OFFICERS.

Questions—(Value 4 Each.)

1. Define the meaning of Windage, Line of Fire, Quadrant angle, Drift.
2. What difference in the range will be caused by 3 minutes elevation at ranges of 1,100, 1,600, 1,900 and 2,300 yards?
3. At a range of 1,750 yards the shell is over—at 1,600 yards under—at what range should the next round be fired?
4. State the general rules for obtaining deflection.
5. At 1,500 yards what difference will be caused by boring the 15 sec. fuze one-half tenth more or less?
6. What articles of equipment are carried on the gun carriage packed for service?
7. Detail the ammunition carried on gun limber.
8. What are the rules for fitting crupper, girth, head collar, numnah?
9. State the general rules for Battery Markers.
10. State the "Distances" in column of sections, column of route, quarter column of batteries. What is the frontage of one battery?
11. What articles of camp equipment are carried by one sub-division on service?
12. What are the positions of the Battery Staff Sergeants: In line, in column of route, in column of sections?
13. What general rules should be observed in laying a gun?

14. Describe how to place and remove the drag shoe.
15. State the positions of the detachment when mounted.
16. State the general instructions for Sentries paying compliments.

NOTE.—Not more than two of the above questions to be put to each N. C. Officer present at inspection. No special order of precedence to be observed and the same question not to be asked twice.

GARRISON ARTILLERY, 1890.

OFFICERS.

Questions—(Value 4 Each.)

1. Define the meaning of Quadrant Angle—Jump. Dispart—Angle of incidence.
2. Under what circumstances would the different natures of projectiles and fuzes be used from a Battery with a sea range only?
3. What general rules should be observed in laying a gun—and what are the common errors observed in connection therewith?
4. Describe the action on discharge and on striking the object of the R.L. Fuze. Mark II.
5. What is the relation between the Power and the Weight, in the case of straight and bent levers, parbuckling, and the screw?
6. Describe briefly the operation of dismounting a 64-pounder by watered skids down the rear.

Detail the Stores required.

NOTE.—Not more than two of the above questions to be put to each Officer present at Inspection. No special order of precedence to be observed, and the same question not to be asked twice.

N. C. OFFICERS.

Questions—(Value 3 each.)

1. Define the meaning of—Line of fire, line of sight, quadrant angle.
2. Describe a parbuckling rope, the vent, a luff tackle.
3. What implements are required for filling and preparing shell?
4. State the weights filled and empty of the projectiles for the gun used by your Battery.
5. State the weights of all charges, and the description of powder used, for the above gun.
6. What are the rules for obtaining deflection?

7. Explain the relation of the power to the weight in the first and second orders of the lever.
8. Describe briefly the 15 sec. fuze.
9. Describe how to place a gun on rollers with planks under them.
10. Describe how to fix steadying handspikes.
11. Show how to make a reef knot, a clove hitch, a single bend.
12. State the general instructions for sentries paying compliments.

NOTE.—Not more than two of the above questions to be put to each Sergeant or Corporal present at Inspection. No special order of precedence to be observed, and the same question not to be asked twice.

D. T. IRWIN, LIEUT.-COLONEL,
Inspector of Artillery.

SHIFTING ORDNANCE COMPETITION.

ISLAND OF ORLEANS, QUÉBEC.

There will be Two Competitions (A) and (B).

COMPETITION A.—*Conditions.* Open to one officer or N.C. officer as No. 1, and 18 N. C. officers or gunners, selected from competing detachments of brigades. Independent batteries wishing to enter for this competition will be required to include their firing detachment in that for shifting ordnance.

RULES:—A 32 pr. S. B. gun mounted on common standing carriage standing on centre of ground platform in line of fire, to be dismounted over right side of carriage by parbuckling, taken round by the rear of the platform to the rear of another carriage standing parallel to the former carriage and 18 feet from it, by parbuckling, and mounted up the rear by skids and rollers. Gun to be left in centre of platform in line of fire, shifting stores clear of platform.

Mounting and dismounting to be in accordance with Drill Manual and stores as therein detailed for both operations, pages 228 and 231, sec. V. Part III., Vol. II., Manual of Garrison Artillery, 1887.

From two to five seconds may be added to the time at the discretion of the umpire, for each mistake at drill or other irregularity.

Umpire's decision to be final.

Prizes will be awarded to the detachments performing the operations in the shortest total time.

COMPETITION B.—*Go as you please.* The details of this shift will be made known on the ground.

The following is a list of the stores as embraced in the details for both operations—dismounting and mounting:—

Parbuckle ropes.....	2
Drag ropes, heavy.....	2
Hand-spikes, common { 7 feet.....	2
{ 6 feet.....	8
Lashings, 1½ inch, 3 fathoms each.....	4
Luff Tackles.....	2

Planks	{ Oak half, 4 ft. x 12 in. x 3 in	2
	{ Fir whole, 10 x 17 x 3	2
Roller ground, 3 ft. x 6 in		1
Scotches of sorts		12
Skids, fir, 14 ft. x 8 in. x 8 in		2
Skids, oak	{ 3 ft. x 9 in. x 6 in.	2
	{ 3 ft. x 6 in. x 6 in.	2
	{ 3 ft. x 4 in. x 4 in.	3
Selvagees		2
Water bucket and brush		1
Mauls		2
Rollers Sabicu	{ 14"	1
	{ 24"	2

By order,

J. B. DONALDSON, CAPT.,
Secretary.

Ottawa, 21st July, 1890.

The "B" shift conditions were as follows :—

Gun to be dismounted, taken to the rear, moved through a passage 7 feet wide, 14 feet long, and remounted on same carriage moved to the right 18 feet from its former position, gun to be left in line of fire, stores arranged.

Five Batteries entered, viz :—

Montreal Brigade.....	1
P. E. Island "	1
Halifax "	3

The Montreal detachment met with an accident whilst performing the "A" Shift, and retired without completing it. They declined to compete in the "B" Shift.

The P. E. I. detachment performed the operations in the following times :—

"A" Shift.....	5' 06"
"B" Shift.....	11 05

Owing to the incessant rain on Friday and Saturday, the detachments of the Halifax Brigade could not compete at Quebec and were allowed to carry out the work at local headquarters. *Vide* report of Executive Committee.

The following is the report of the officer who was good enough to act as Umpire on the occasion :—

From Captain Fell, Royal Artillery,

To Lt.-Colonel Noyes, Com'd'g Royal Art., Halifax, N.S.

HALIFAX, N. S., }
21st Oct., 1890. }

SIR,—I have to report that I was present at the competition of the Halifax Garrison Artillery, yesterday, as Timekeeper, in accordance with your orders.

The Shift detailed in the printed instructions was carried out, except that only one and not two gun carriages were available, and there was consequently a slight loss of time in moving one carriage

The times were as under :

	Actual Time.	Added for Errors.	Total.
Captain Maxwell....	4' 34 $\frac{3}{5}$ "	5	4' 39 $\frac{3}{5}$ "
Sergt.-Major Gibb...	5 47	7	5 54
" Case...	12 21		12 21

The 1st squad did not use their 14" roller.

The 2nd squad did not use their 14" roller and also did not scotch up the gun carriage.

In the "Go as you please" shift, the times were :

Captain Maxwell.....	22' 10"
Sergt.-Major Gibb.....	6 51 $\frac{1}{5}$
" Case.....	8 14

There was a very considerable amount of condensation on the gun, causing it to be very slippery during the time Captain Maxwell was working. From some cause this condensation disappeared, and during the last shift the gun was quite dry.

In this shift the gun was dismantled, taken through a passage 14 feet long, 7 feet wide, on rollers, and remounted on another garrison carriage, 18 feet from the first. This had not been practised before.

In all cases the work was good, and in the first shift by Captain Maxwell's detachment particularly good.

2nd Lieutenant Barnes, R.A., assisted me.

I have the honour to be, Sir,

Your obedient servant,

(Signed)

J. F. FELL,

Captain, R. A

VOLUNTARY DRILLS.

The names of officers, N. C. officers and men who performed twenty-five drills and over (as received to date) are given below. The totals are the aggregate totals for the batteries, the drills of men who performed under twenty-five being included. Those who performed twenty-five and over received a gold chevron as a mark of efficiency.

MONTREAL BRIGADE GARRISON ARTILLERY.

No. 1 Battery.

Captain J. Ogilvy.....	30	Bomb. A. Kyle.....	26
Brigade Sergt.-Major J. Benton.....	192	Gunner E. Selwyn.....	38
Sergt. J. T. Courtenay.....	41	Gunner Stewart.....	31
Sergt. J. Drysdale.....	39	Gunner Thompson.....	26
Corp. T. Harper.....	27	Gunner G. Cooke.....	26
Corp. G. Clark.....	45	Gunner T. Rogerson.....	30
Corp. A. Morrell.....	28		
Bomb. W. Davis.....	28	Total.....	889

No. 2 Battery.

Battery Sergt. Major R. A. Beatty.....	36	Gunner C. McCleave.....	25
Sergt. J. Poole.....	27	Gunner C. Heissner.....	26
Corp. F. Nicholls.....	30	Gunner C. Cunningham.....	25
Corp. W. Beck.....	28	S.-Sergt. W. Wilson.....	26
Bomb. J. D. Brown.....	31		
Gunner H. Graves.....	26	Total.....	689
Gunner J. Overing.....	26		

No. 3 Battery.

Battery Sergt.-Major S. D. Jones.....	30	Gunner F. Argill.....	25
Sergt. P. McDonald.....	36	Gunner R. Walker.....	25
Sergt. D. Goodfellow.....	41	Gunner Alliston.....	25
Gunner A. Morrison.....	40	Gunner E. H. Tilley.....	26
Gunner H. Bartlett.....	29		
Gunner C. Kermody.....	26	Total.....	743
Gunner F. Cooper.....	25		

No. 4 Battery.

Captain J. A. Finlayson.....	43	Gunner A. Manville.....	46
Battery Sergt.-Major W. Dowker.....	35	Gunner A. Monandin.....	45
Sergt. R. J. Clark.....	43	Gunner A. Dube.....	45
Sergt. H. Finlayson.....	45	Gunner E. Lemieux.....	45
Corp. A. J. Sykes.....	30	Gunner P. Labelle.....	45
Corp. J. Smith.....	30	Gunner H. Hotte.....	45
Corp. R. E. Jones.....	30	Bomb. E. J. Robinson.....	26
Bomb. D. Church.....	36		
Bomb. A. Allen.....	40	Total.....	972
Trumpeter W. Woodford.....	30		

MONTREAL BRIGADE GARRISON ARTILLERY.—Continued.

No. 5 Battery.

Battery Sergt.-Major J. Norris.....	36	Gunner Cooke.....	27
Sergt. J. Gordon.....	37	Gunner R. Woodburn.....	25
Sergt. W. Pingel.....	38	Gunner Phillips.....	30
Corp. J. Carpenter.....	36	Gunner Westling.....	26
Corp. J. Howell.....	27		
Gunner Hammond.....	34	Total.....	637

No. 6 Battery.

Qr.-Mr. Sergt. W. McGunness.....	45	Gunner E. Edmunds.....	31
Battery Sergt.-Major W. Fegan.....	30	Gunner McManus.....	25
Sergt. W. Fyfe.....	28	Gunner Binden.....	25
Sergt. A. Fyfe.....	30	Gunner Brecault.....	26
Bomb. C. Gardner.....	26	Gunner Clancy.....	27
Bomb. W. Allison.....	60	Corp. W. Hutcheson.....	30
Bomb. J. Gubian.....	32		
Gunner Jos. Gubian.....	27	Total.....	673

PRINCE EDWARD ISLAND BRIGADE.

No. 1 Battery.

Captain H. M. Davison.....	46	Gunner Geo. Scantlebury.....	27
Lieut. F. P. Carvell.....	29	Gunner J. Gillis.....	43
Lieut. E. D. Sterns.....	47	Gunner G. Gillespie.....	37
Sergt. R. Matheson.....	43	Gunner W. Hearty.....	34
Sergt. J. Offer.....	34	Gunner R. Steele.....	26
Corp. R. McDonald.....	37	Gunner A. McAree.....	55
Corp. C. Murley.....	45	Gunner A. Sabine.....	39
Corp. J. Ward.....	42	Gunner J. Goodwill.....	41
Bomb. J. McLeod.....	40	Gunner A. McLeod.....	37
Gunner W. Gillespie.....	26	Gunner F. Godfrey.....	38
Gunner J. Mathewson.....	50	Gunner L. McDonald.....	36
Gunner A. McLaine.....	35	Gunner J. Mason.....	26
Gunner M. Acorn.....	28	Gunner O. Richard.....	29
Gunner J. McKay.....	25		
Gunner A. Johnson.....	25	Total.....	1,400
Gunner B. Garnham.....	37		

No. 2 Battery.

Lieut. Dover.....	53	Gunner Prowse.....	28
Sergt. Alley.....	27	Gunner Moore.....	32
Sergt. Coffin.....	41	Gunner Cameron.....	33
Sergt. Whear.....	25	Gunner McEachern.....	26
Corpl. Quigley.....	41	Gunner Music.....	27
Corpl. Cameron.....	26	Gunner Wood.....	25
Corpl. Brown.....	52		
Gunner McLaren.....	25	Total.....	902
Gunner Johnstone.....	32		

No. 1 BATTERY 1st BRIGADE FIELD ARTILLERY.

Sergt. Hadwin.....	30	Bomb. Worthington.....	30
Sergt. Burns.....	30	Gunner Hall.....	30
Gunner Bealey.....	28	Gunner White.....	30
Corpl. Carlyle.....	30	Gunner Cox.....	30
Gunner E. Whitworth.....	27	Bomb. Preston.....	29
Gunner H. Wills.....	29	Gunner Conn.....	30
Gunner A. Murphy.....	30	Gunner H. E. Adams.....	30

No. 1 BATTERY 1ST BRIGADE FIELD ARTILLERY.—*Continued.*

Gunner J. Cochrane	28	Gunner H. A. Colson	25
Gunner MacFarlane	28	Gunner G. Allan	25
Corpl. Warner	30	Gunner C. Stewart	25
Gunner Fairbairn	30	Gunner Seymour	30
Gunner Wilkin	30	Gunner Benyon	30
Gunner Scully	30	Gunner Bertram	30
Gunner Brown	30	Gunner Bayne	30
Gunner Harrison	26	Gunner Skinner	30
Gunner Faithful	25	Corpl. Watson	30
Gunner Sparrow	30	Drills under 25 not given	
Gunner Dolsen	30		
Gunner Harcourt	25		
Gunner C. S. Hall	25		1035

Report of Annual General Meeting.

Proceedings of an Annual General Meeting held in No. 50 Committee Room, Parliament Buildings, Ottawa, on 21st May, 1891.

Present:—His Excellency Baron Stanley of Preston, Governor General, accompanied by Lieut. Walsh, Grenadier Guards, A.D.C.; Major General Herbert, Commanding the Militia; Colonel Panet, Deputy Minister of Militia; Lt.-Colonel A. A. Stevenson, Lt.-Colonel Macpherson, Director of Stores; Lt.-Colonel Irwin, Inspector of Artillery; Lt.-Colonel McKenzie, Gananoque Field Battery; Lt.-Colonel Smith, A.D.C.; Lt.-Colonel Macdonald, Comdg. 1st Brigade, Field Artillery; Lt.-Colonel Graveley, Lt.-Colonel Prior, A.D.C., M.P.; Major John Stewart, Ottawa Field Battery; Major J. S. Hall, jr., Montreal Field Battery; Major McLean, Durham Field Battery; Captain White, Guelph; Captain McNaughton, Cobourg Garrison Battery; Captain Bliss, Ottawa Field Battery; Lieut. Hurdman, Ottawa Field Battery; Lieut. MacNachtan, Cobourg Garrison Battery; Mr. J. L. Taylor, Mr. J. H. Beattie, and Captain Donaldson, Secretary.

Lt.-Colonel A. A. Stevenson, Senior Vice-President, occupied the chair.

1. The meeting having been called to order, the chairman, Lt.-Colonel A. A. Stevenson, moved, seconded by Major McLean:—"That the Report for 1890 as printed and distributed, be received and taken as read."—Carried.

2. It was then moved by Lt.-Colonel Irwin, Inspector of Artillery, seconded by Lt.-Colonel McKenzie:—"That the Report be adopted, and the accounts as audited be passed."

Lt.-Colonel Irwin, in moving the adoption of the Report, said he had much pleasure in stating that the proceedings during the past year had been the most successful in the annals of the Association. The meeting at the Island of Orleans for Garrison Artillery, as well as that at Kingston for Field Batteries, had been conducted with remarkable success, there having been a marked absence of protest or disagreement of any kind. The D. A. A. differed from the Dominion Rifle Association, its scope being wider than the mere encouragement of gun practice, one most important function being the promotion of

the general efficiency of the Artillery. The most interesting competition which took place during the year was that for general efficiency, which had been very much encouraged by the kind donation of cups from the successive Governors General. This competition has been productive of the best results, there being much wholesome emulation between the batteries. There was a satisfactory balance on hand, which properly speaking, was larger than it ought to have been. It was mainly attributable to the fact that the amount granted by the Government for the Garrison Artillery competition at the Island of Orleans, or as an alternative to defray the cost of sending a team to compete at Shoeburyness, had not been altogether expended on the former. It was considered that the benefits accruing from the competition at the Island of Orleans were so great that it would not be advisable to send a few men from each Brigade to Shoeburyness. The opinion had also been expressed in some quarters that as the expense of sending a team to England would amount to a thousand dollars more than the Government grant, the officers would incur a very heavy expenditure which they were not disposed to undertake. It was possible, however, that in a few years they might be able to send over a team altogether at the expense of the Government, or else invite representatives from the Imperial Volunteer Artillery to compete in this country. The motion was carried unanimously.

3. Lt-Colonel Macdonald moved, seconded by Major Stewart:—"That the thanks of this Association be tendered His Excellency the Governor General for his attendance at this meeting, for his great interest in the Association, and for the valuable prizes for general efficiency donated by him." The motion was carried unanimously, the members rising.

His Excellency returned thanks for the kindness and cordiality extended to him whenever he attended the meetings of the Association. He expressed satisfaction at having been able to attend not only the business meeting here but also the Garrison practice at the Island of Orleans, and the hope that this year he would be able to visit the Field Artillery meeting at Kingston. He was very glad to be able to corroborate what had fallen from other officers in regard to the great value of the practice carried out at the Island of Orleans. He had not the same professional acquirements as other officers and therefore could not speak with the same force, but he could say that the camp, whenever he had seen it, always looked as if it meant business. He alluded to the fact that whilst at the Island last year he witnessed a detachment, who had no

previous acquaintance with the 40-pr. gun, drilling with these guns while the practice with the 64-pr. was in progress, in order to be able to take part in the competition shortly afterwards. This showed that if you put weapons within men's reach how willing they were to use them (applause). Last summer he was at Halifax and had the opportunity of seeing, he believed, the only modern gun at present in use for drill in the force. Sir John Ross, who commands Her Majesty's troops at Halifax, had, he believed, on all occasions given the utmost encouragement to the Dominion Artillery force. It was Sir John's desire that Her Majesty's forces of all descriptions should be trained as closely together as possible, and he was only too willing to assist in enabling the Canadian Militia to drill with the Imperial forces now in Halifax (applause). In conclusion he hoped the Association would long continue to flourish.

His Excellency then presented Lt.-Colonel Macdonald, comdg. 1st Brigade, Field Artillery, with the handsome silver cup won by No. 1 Battery of his Brigade in the competition for general efficiency last year.

4. It was then moved by Major Hall, and seconded by Captain McNaughton:—"That the thanks of the Association are due and are hereby tendered to the Hon. Sir A. P. Caron, Minister of Militia, and to Parliament for the annual grant in aid of the funds of the Association."—Carried unanimously.

Colonel Panet returned thanks on behalf of the Minister, and announced that he had been authorised to make arrangements for the importation of a few Morris tubes, and he hoped they would shortly be at the disposal of the Militia. He also stated that satisfactory arrangements had been made for the manufacture of common shells at the cartridge factory, Quebec, and in a few weeks he thought the Department would be able to turn out shells, both 64 and 9-pr., for the practice of the force.

5. Lt.-Colonel Irwin moved, seconded by Lt.-Colonel Prior:—"That the following gentlemen be elected life members of the Association:—

Major General Herbert,

Hon. Honoré Mercier,

Lt.-Colonel T. T. Turnbull."—Carried unanimously.

In reply Major General Herbert promised to advance the interests of the force to the best of his ability, and went on to remark: Nobody, whether a trained artillerist or not, can fail to appreciate the tremendous importance of artillery in every military operation. That impor-

tance is increasing day by day, and I think that we have not as yet reached by any means the full limit of its development. It has been a very interesting subject to me—although I am not a trained artilleryman, and have not had the technical training of many of the gentlemen before me—in the position I occupied before coming here to study the views taken by other countries on this very important subject, and any little experience I may have gained in that manner I shall be most happy to place at the disposal of the Association. I think I may say that the development of artillery at the present moment is in two extremes. We have on the one side the monsters represented by the 100 ton guns, going down in a gradual scale to the siege guns. On the other hand we have the new development of quick firing guns with immense initial velocity. It is in that direction that I expect to see the most valuable advance made in artillery science. I think, myself, that we have almost reached the limit in the monster guns, and that now the smaller weapons, with powerful explosives, will come to the front. We can have no opportunity of experimenting in this country, but I think we can, to the best of our ability, follow the movements that are taking place in other countries, and when we see that certain facts are established, go to our Government and ask them if they cannot find means of enabling us to obtain such improvements as have become evidently necessary in the progress of artillery science.

ELECTION OF OFFICERS.

His Excellency then moved "that Lt.-Colonel A. A. Stevenson be elected President of the Association for the ensuing year." In doing so he said he "felt sure that the choice was one that would commend itself to all of them."

Major General Herbert, in seconding the motion, spoke of the great service that Lt.-Colonel Stevenson had rendered. His battery was one of which the Dominion might justly feel proud. Last week he was fortunate in seeing the battery in the drill shed at Montreal, and he could only say he had never seen any force of the kind so perfectly turned out (applause). There was evidence everywhere of the tender solicitude, he might say, for the welfare of the battery. Everything was done that one could wish for to make it as perfect as possible. From what he saw of the drill of the battery he felt that the non-commissioned officers and men were animated by the same spirit, and used their utmost endeavour to be worthy of their commanding officer. He regretted that Lt.-Colonel Stevenson no longer com-

manded the battery, but he knew he had its welfare as near his heart as ever, and he hoped that as President he would extend his solicitude not only to his old battery, but to the whole artillery force of the Dominion.

Lt.-Colonel Stevenson said that he had received a hint of what was to take place, but thought he hardly possessed the qualification and ability to discharge the duties, and decided if it was offered to him not to accept it. After the kindly references made to him, however, and the unanimity that prevailed, he would place his services at their disposal. He returned his most sincere thanks for the honour they had conferred on him. Motion carried with applause.

Lt.-Colonel Irwin then moved, seconded by Lt.-Colonel Prior :—
“That the following officers be elected Vice-Presidents of the Association, viz: Lt.-Colonel Curren, A. D. C., Comdg. Halifax Brigade, G.A.; Lt.-Colonel Armstrong, A.D.C., Comdg. New Brunswick Brigade, G.A.; Lt.-Colonel Prior, A.D.C., M.P., Comdg. British Columbia Brigade, G.A.; and Lt.-Colonel Turnbull, Comdg. Montreal Brigade, G.A.”
Carried.

Lt.-Colonel Macdonald moved, seconded by Major Stewart :—
“That the thanks of the Association are due and hereby tendered to Lt.-Colonel Macpherson and F. E. Knight, Esq., for their services as auditors during the past year, and that they be re-elected.” Carried.

7. It was moved by Lt.-Colonel Irwin, and seconded by Lt.-Colonel Prior :—“That Lt.-Colonel Stevenson and Captain McCrae be elected Members of Council.” Carried.

8. It was moved by Captain Donaldson, seconded by Lt.-Colonel Irwin :—“That the thanks of the Association are due and hereby tendered to Hon. Honoré Mercier and Lt.-Colonel Turnbull for the handsome prizes donated by them for competition, and to the Hamilton Powder Co., through the President, Dr. Brainerd, for the continuance of the donation of *one hundred* dollars towards the funds of the Association.” Carried.

His Excellency the Governor General, seconded by Major General Herbert, moved :—“That the thanks of the meeting be tendered the President for his conduct in the chair at this meeting.” Carried unanimously.

There being nothing further before the meeting it adjourned.

J. B. DONALDSON, CAPTAIN,
Secretary.

Report of Council Meeting.

Proceedings of a Meeting of Council, held at Ottawa, on Thursday, the 21st May, 1891, immediately after the Annual Meeting.

Lt.-Colonel Macpherson, in the absence of the President and Vice-Presidents, occupied the chair.

Present—Lt.-Colonel Irwin, Lt.-Colonel Macdonald, Lt.-Colonel Stevenson, Lt.-Colonel McKenzie, Major Stewart, Major J. S. Hall, jr., Captain McNaughton and Captain Donaldson.

ELECTION OF OFFICERS.—The following officers were elected to the positions opposite their names:

PRESIDENT—Major Stewart, Ottawa Field Battery.

VICE-PRESIDENTS—Lt.-Col. Moore, P. E. I. Brigade, G.A.
Major Nicoll, No. 1 Battery, 1st Brigade.
Major Lindsay, Quebec Field Battery.
Major Laurie, Montreal Brigade, G.A.

SECRETARY-TREASURER—Captain J. B. Donaldson, with same salary as for 1890.

EXECUTIVE COMMITTEE—Lt.-Colonel Macdonald.
Lt.-Colonel Armstrong.

It was agreed to refer the question of prizes and details of competitions to the Executive Committee.

It was agreed, on the suggestion of the Inspector of Artillery, that the points obtainable for each subject in the general efficiency competitions should be doubled. The points obtainable for score at gun practice to be twice the percentage of score. Deductions for absentees to remain as at present.

It was also agreed that the details for competition in "drill and driving" be re-arranged as suggested by Inspector of Artillery.

It was moved by Lt.-Colonel Macdonald, and seconded by Major

Hall:—"That the question of investing *one thousand* dollars as the nucleus of an endowment fund be referred to the President of the Association, the Executive Committee and the President of the Council as a committee, and that in the meantime the Secretary-Treasurer be directed to deposit that sum at interest." Carried.

The Secretary was authorised to have photographs of the Mercier Trophy and Turnbull Challenge Shield taken for presentation to batteries holding them for the year, as a souvenir of the event.

It was decided that members of detachments winning the Shield should receive a badge from the Association.

J. B. DONALDSON,
Secretary.

ERRATUM.

Page 9. Rule 4, 2nd line. For the word "others" substitute "officers on the active or retired list."

DOMINION ARTILLERY ASSOCIATION IN ACCOUNT

RECEIPTS.

1890.

Feb. 3	Balance in Bank of Montreal	\$1790 47
	Lieut. Hooper, Montreal Field Battery	2 00
	J Innes, Esq., M.P.	2 00
	R. Myles, Esq.	2 00
	Captain Brock	2 00
	Lieut. Irving, retired list	2 00
	A. Bolte, Esq.	2 00
	A. H. Malloch, Esq.	2 00
	R. Sproule, Esq.	2 00
	Doctor Ferguson, M.P.	2 00
	Captain Murray	2 00
	J. F. McLachlin, Esq.	2 00
	Surgeon W. R. Bell, M.D., Ottawa Field Battery ..	2 00
	Captain McCrae, retired list	2 00
	Lt.-Col. Dawson, Royal Grenadiers	2 00
	Lt.-Col. Otter, D.A.G.	2 00
	Lieut. Hurdman, Ottawa Field Battery	2 00
	From Ontario Artillery Association for affiliation of batteries, 1889:—	
	Royal Military College	\$10 00
	"A" Battery, R. S. A.	10 00
	No. 1 Battery, 1st Brigade	10 00
	No. 2 Battery, 1st Brigade	10 00
	Ottawa Field Battery	10 00
	Welland "	10 00
	Durham "	10 00
	Toronto "	10 00
	Gananoque "	10 00
	Cobourg Garrison Battery	6 00
		96 00
	Affiliation fee Ontario Artillery Association, 1889..	32 50
	Major Nicoll, 1st Brigade, Field Artillery	2 00
	Lt.-Col. Call, Newcastle Field Battery	2 00
	Newcastle Field Battery	10 00
	New Brunswick Brigade G. A., 5 Batteries	30 00
	No. 2 Battery, Quebec G. A.	6 00
	Yarmouth Battery, G. A.	6 00
	Shefford Field Battery	10 00
	Captain Murchison, 1st Brigade, Field Artillery....	2 00
	Major Edwards, Royal Artillery, R.M.C.	5 00
	Montreal Field Battery	10 00
	Lt.-Col. A. A. Stevenson, Montreal Field Battery ..	2 00
	Lieut. Costigan, Montreal Field Battery	2 00
	<i>Carried forward</i>	\$2037 97

WITH THE TREASURER, FOR THE YEAR 1890.

EXPENDITURE.

Uncashed cheques from 1889	\$ 17 00
<i>Citizen</i> Co., advertising annual meeting.....	2 00
P. E. I. Brigade, voluntary drills 1889.....	20 00
P. E. I. Brigade, 2nd prize general efficiency 1889.....	25 00
Kingston Field Battery, range finding competition, 1889...	5 00
Durham " " " " 1889...	5 00
Gananoque " " " " 1889...	5 00
Toronto Field Battery, short course efficiency, 1889.....	8 00
Durham " " " " 1889.....	12 00
Montreal Brigade, G. A., " " 1889.....	8 00
Woodburn, printing, 1889	157 75
Montreal Brigade, voluntary drills, 1889.....	10 00
Yarmouth Garrison Battery, short course efficiency, 1889 ..	12 00
1st Brigade Field Artillery, refund of affiliation.....	20 00
Montreal Field Battery, short course efficiency, 1889	5 00
"A" Battery, prize 9-pr. R. M. L. guns, 1889.....	4 00
G. Cox, engraving.....	5 99
A. Rosenthal, silver cups, repairs and cleaning.....	19 75
Major Lindsay, freight and repairs challenge cup.....	2 30
Express charges	30 31
Army and Navy Co-operative Society, balance from 1889..	3 55
Montreal Brigade, prizes, 1889	4 00
Ottawa Field Battery, range finding competition, 1889	5 00
Ottawa Field Battery, short course efficiency, 1889.....	5 00
New Brunswick Brigade G. A., allowance.....	90 00
Halifax " " " "	276 75
P. E. Island " " " "	136 56
Montreal " " " "	126 00
Yarmouth Battery " " " "	48 00
Cobourg " " " "	47 25
No. 1 Battery, Levis, " " " "	22 50
No. 2 " " " "	15 00
No. 2 Battery, Quebec, " " " "	6 75
Major Lindsay, camp quartermaster	39 00
Surgeon Turcot.....	10 50
Range Officers, Register Keepers and Adjutant	140 50
Working Party, "B" Battery	129 25
Whitehead & Turner, puncheons	12 00
Bell Telephone Co	25 46
F. Noel, taking down posts and wire.....	7 50
A. Leclerc, express wagon.....	8 40
Camp Quartermaster, miscellaneous expenses	6 80
<i>Carried forward</i>	\$1539 87

TREASURER'S STATEMENT—*Continued.*

<i>Brought forward</i>	\$2037 97
Lt.-Col. McKenzie, Gananoque Field Battery	2 00
Captain McKenzie, Gananoque Field Battery	2 00
Dominion Government, special grant.....	2000 00
Dominion Government, annual grant.....	900 00
Hamilton Powder Company.....	100 00
Ontario Artillery Association, for the under- mentioned Batteries, etc.:—	
London Field Battery	\$10 00
No. 1 Battery, 1st Brigade.....	10 00
No. 2 Battery, 1st Brigade.....	10 00
Welland Canal Field Battery	10 00
Hamilton "	10 00
Toronto "	10 00
Durham "	10 00
Kingston "	10 00
Gananoque "	10 00
Ottawa "	10 00
Cobourg Garrison Battery	6 00
Royal Military College.....	10 00
"A" Battery, R.S.A.....	10 00
	126 00
No. 1 Battery, Levis G.A.....	6 00
Captain Martineau, No. 1 Battery Levis G.A.....	2 00
Captain Martineau, camp deficiencies	2 00
Major McLean, Durham Field Battery.....	2 00
P. E. I. Brigade G. A., 3 Batteries.....	18 00
Lt.-Col. Moore, P. E. I. Brigade G. A.....	2 00
Surgeon Jenkins, " " "	2 00
Capt. Marsan, " " "	2 00
Capt. Longworth, " " "	2 00
Capt. Davison, " " "	2 00
Lieut. Carvell, " " "	2 00
Lieut. Moore, " " "	2 00
Lieut. Sterns, " " "	2 00
No. 2 Battery, Levis G.A.....	6 00
Quebec Field Battery	10 00
"B" Battery, R. S. A	10 00
Major-General Herbert	20 00
Major Davidson	2 00
Captain Van Straubenzee, Royal Engineers (R.M.C.)	2 00
Halifax Brigade, Garrison Artillery, 7 Batteries.....	42 00
Lt.-Col. Curren, Halifax Brigade G.A.....	2 00
Capt. Maxwell, " " " for 1891.....	2 00
Capt. Oxley, " " " for 1891.....	2 00
<i>Carried forward</i>	\$5311 97

TREASURER'S STATEMENT—Continued.

<i>Brought forward</i>	\$1539 87
F. Noel, lumber, labor, etc., on range.....	104 45
F. Noel, straw	12 50
Vallerand, lamps.....	4 50
Major Lindsay, express charges, telegrams, etc.....	7 30
W. White, badges, officers prizes, manuals, etc.....	476 07
Capt. Martineau, 2nd prize officers' competition	12 00
Durham Field Battery, 1st prize, driving competition.....	35 00
Ottawa " " 2nd " " "	25 00
No. 1 By. 1st Bd. Fd. Art. 3rd " " "	15 00
A. S. Woodburn, printing circulars.....	19 00
No. 1 Battery Garrison Artillery, Levis, prizes.....	8 00
P. E. Island Brigade, Garrison Artillery, "	74 00
Yarmouth Battery, " " "	14 00
Halifax Brigade " " "	185 00
Cobourg Battery, " " "	60 00
Welland Field Battery, range finding, 1889	5 00
"A" Battery, Regt. C. A., 9-pr. competition	4 00
"B" Battery, " " "	21 00
Gr. Wigmore, Hamilton Field By., S. C. efficiency, 1890 ...	12 00
Bomb. Locker, 1st Brigade, " " 1890 ...	8 00
Sgt. Vankoughnet, Kingston Field By, " " 1890 ...	5 00
Gr. J. P. Shand, Halifax Gar. Art., " " 1890 ...	12 00
Lieut. Easton, P. E. I. Brigade G. A., officers' prize	8 00
Lieut. Hudon, No. 2 By., Quebec G.A., "	20 00
1st Brigade Field Artillery, prizes 9-pr	63 00
Welland Canal Field Battery "	38 00
Shefford " "	28 00
Montreal " "	18 00
London " "	35 00
Durham " "	10 00
Kingston " "	14 00
Ottawa " "	6 00
Quebec " "	7 00
Hamilton " general efficiency and 9-pr. ...	29 00
Halifax Brigade, 2nd prize " "	25 00
W. White, Field Artillery manuals	34 83
New Brunswick Brigade, G. A., prizes local headquarters... ..	20 00
Lieut. Baxter, N. B. Bde., G.A., " "	10 00
Lieut. Langan, " " "	5 00
Newcastle Field Battery, prize 9-pr.....	2 00
Allowance to Secretary	300 00
MILITIA GAZETTE, subscription.....	2 00
Postage, telegrams, etc.....	78

Carried forward\$3334 30

TREASURER'S STATEMENT—*Continued.*

<i>Brought forward</i>	\$5311 97
Montreal Brigade Garrison Artillery, 6 Batteries....	36 00
Major Laurie, Montreal Brigade, G. A.....	2 00
Major Cole, " " ".....	2 00
Capt. Ogilvy, " " ".....	2 00
Capt. Finlayson, " " ".....	2 00
Lt.-Col. Irving, Brigade Major, Charlottetown.....	2 00
J. D. Taylor, Esq.....	2 00
	<hr/>
Uncashed cheques.....	\$5359 97
	12 00
	<hr/>
	<u>\$5371 97</u>

TREASURER'S STATEMENT—*Continued.*

<i>Brought forward</i>	\$3334 30
J. D. Taylor, printing circulars, etc.	10 00
Militia Department, blanket lost in camp.....	2 00
Working pay, detachment Field Artillery practice	165 50
Total expended.....	\$3511 80
Balance in Bank of Montreal	1860 17

\$5371 97

J. B. DONALDSON, Captain,

Treasurer.

Audited and found correct,

(Signed) J. MACPHERSON, LT.-COL. } *Auditors.*
 " F. E. KNIGHT

I
E
M
E
S
C
C
C
P
S
R
R
S

D
G
Q
S
V
R
E
T

INDEX.

List of Patrons, etc.....	3
" Council	4
" Executive	5
" Life Members.....	6
" Members	7
" Affiliated Batteries	8
Rules of the Association	9
Report of Council	13
Minutes of Council	15-114
Report of Executive Committee.....	19
Secretary's Report	23
Cups competed for	26
General Orders affecting Artillery Corps, 88-90.....	29
Circulars issued during year.....	32
Prize List.....	41
Summary of Prizes awarded	45
R. M. College Competition ..	48
Rules for Practice	50
" Marking.....	51
Scores—Royal Schools of Artillery	54
Field Batteries	56
Officers, Field Artillery.....	69
Garrison Artillery, 64-pr.....	71
" " 40-pr.....	83
" " Officers.....	91
" " Local Headquarters.....	93
Drill and Driving Competition	95
General Efficiency Table—Field Batteries	98
" " " Garrison Batteries	99
Questions, officers and men.....	99
Shifting Ordnance Competition	103
Voluntary Drills	106
Report of Annual Meeting	109
Erratum	115
Treasurer's Statement	116