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Note and Comment.

We commend to the attention of Canadian artillerymen the editorial comments of the *Army and Navy Gazette*, reproduced in this issue, on the recent artillery practice camp at Okehampton. Some exceedingly useful lessons appear to have been learned there, and the practice must have been very interesting to the participants.

A refutation, if any were needed, of the cry sometimes heard of scarcity of work in the Dominion, is afforded by the state of affairs in the permanent batteries of artillery at present. Recruits of a desirable class are not over plentiful even in Eastern Canada; and it is with considerable trouble that the ranks of C Battery, British Columbia, are kept up to anything near the authorized strength. The number will be reduced to one-fourth of the strength shortly, by the expiration of a three-years' term of enlistment, the high wages of the Pacific coast tempting the men away. To fill the vacancies drafts are to be made on the batteries at Kingston and Quebec, and as an extra allowance of ten cents per day is paid not a few of the enlisted men there are glad of the opportunity to make the trans-continental trip at the public expense.

Another tribute to the excellence of Canadian horses for army purposes appears in the last number of the *Army and Navy Gazette* to hand. A critical correspondent, writing of the recent cavalry manœuvres, pays special attention to the horses of the Household Cavalry, and having mentioned that one of the admirably adapted machine-gun horses was Canadian bred, he continues: "If this is a fair specimen they are of excellent quality."

The Royal Military College, now well on the way with the present course, has seventy-one cadets in attendance, rather less than the average but more than enough for the present accommodation of the building. The new wing for which money was voted last session will make it possible to admit many more cadets, and thus increase the usefulness of the institution without adding to the expense, as the cadets' fees pay for their maintenance, and the present teaching staff could instruct larger classes. The staff, it may be mentioned, consists of the Commandant, the Adjutant, three military professors, two instructors and two assistant

instructors, besides six civil professors and a subordinate staff of seven non-commissioned officers. A civilian has this year been engaged as Professor of Mathematics, taking the place of an officer who last year was at the disadvantage of having military duties to perform in addition to his teaching.

Military circles in Montreal are stirred up at present over an elaborate banquet which the officers of the 5th and 6th districts are about to give to the head of the Militia Department, Sir Adolphe Caron, who should feel flattered at this spontaneous testimony to the popularity he enjoys in this important centre. The banquet is to take place at the St. Lawrence Hall on the 20th of the present month, and it is expected to be one of the most brilliant events held in Montreal for a long time. It is expected that about 150 officers will attend. Everything tending to give the coming demonstration a political colour has been rigidly excluded from the programme. The chairman will be Lieut.-Col. Houghton, D.A.G.; and Major Radiger, of the Victoria Rifles, is secretary of the committee.

Sir Adolphe Caron is about to spend a few days in Toronto, whither he goes on Saturday evening, accompanied by Lady and Miss Caron. The Minister has designed to arrive in Toronto on Sunday morning, so that he may attend the church parade of the Royal Grenadiers. On Monday morning he will be at the service of the civic authorities in reference to the Garrison common matter and in the afternoon will be present at the review of the public school corps in celebration of the anniversary of the battle of Queenston Heights. The same evening he will attend by invitation the National Club reception at which Principal Grant has consented to deliver an address on "Our National Position and Aims." This season has been one of exceptional activity with the militia in all parts of the country, and the Minister having prominently interested himself in the various schemes devised to further the training of the force is reaping a deserved reward in the hearty greetings meeting him everywhere.

The *Canadian Journal of Fabrics* of a recent date contains the following complimentary notice of John Martin & Co.'s noted military outfitting establishment:—"The picked men of the Montreal fire brigade, numbering fourteen, who have been making a record for themselves at recent competitions, have received new shirts from John Martin & Co., St. Paul street. They are made of navy blue cloth, of fine texture, and have on the front a shield, on which is worked the monogram M. F. B., in red, white and blue letters. The men have thanked Messrs. Martin & Co. for the excellence and cheapness of the work." The readers of the MILITIA GAZETTE, to all of whom the above firm's name must be familiar, will be interested in the fact that a large tailoring establishment has recently been added to their equipment, and they are now in a position to advantageously compete for the supply of all classes of military outfitting.

At the conclusion of the recent manœuvres near Berdeaux Gen Ferron, commander of the 18th Corps of the French Army, issued an order of the day in which he says that the use of smokeless powder will make no change in defensive tactics, but will render offensive tactics more difficult. It is therefore imperative that officers display great intelligence in choosing positions for an attack.

The Rifle.

B Company of the 5th Royal Scots, captained by Major Blaiklock, had their annual target practice at Cote St. Luc on Saturday last, firing at 100, 200, 300 and 400 yards, ten shots at each. The highest scorers were:—Pte. Dnun 169, Corp. Bethune 163, and Corp. Jewell 150.

The annual rifle matches of C Company (Capt. Ibbotson) of the 5th Royal Scots took place at Cote St. Luc on Saturday afternoon. Class firing ranges were used—100, 200, 300 and 400 yards—5 shots. The first prize, a cup presented by Capt. Ibbotson, was won by Col.-Sergt. O'Brien, with 86 points. The next in order were:—Sergt. T. D. O'Brien 85, Piper McCowan 84, Capt. Ibbotson 81, Sergt. O'Brien 76. It is worthy of note that this company has three brothers in its non-commissioned officers—the O'Brien's, who all scored well, as shown above.

THE GRENADIERS' ANNUAL MATCHES.

The annual rifle matches of the Royal Grenadiers were brought off successfully on Saturday. The turnout was very good, and those who competed in the shooting were favoured with delightful weather, although a high wind blew in the morning, which interfered somewhat with the scoring. Capt. Bruce, Capt. Manley, of the Royal Grenadiers, and Lieut. Cartwright, of the 47th Battalion, performed the arduous duties of range officers with skill and discretion. The chief scores were as follows:—

Match No. 1—Regimental.—Open to all members of the regiment. Ranges, 200, 400 and 500 yards, 5 shots:—

Staff-Sgt. Mitchell, A Co.....	62	Sgt. Smith, A Co.....	54
Staff-Sgt. McVittie, A Co.....	57	Pte. Dent, E Co.....	54
Staff-Sgt. Dent, E Co.....	56	Col.-Sgt. Cuseck, A Co.....	52
Capt. Bruce.....	56	Pte. Mitchell, E Co.....	52
Capt. Manley.....	55	Col.-Sgt. Fowler, G Co.....	52
Pte. Maddox, D Co.....	55	Pte. Urquhart, A Co.....	50

Match No. 2—Nursery.—Open to all non-commissioned officers and men of the regiment who have never won a prize at any rifle match. Ranges, 200 and 400 yards, 5 shots:—

Pte. Alexander, H Co.....	31	Dmr. Dougherty, G Co.....	28
Pte. Hutchings, A Co.....	30	Pte. McTavish, A Co.....	27
Pte. Armstrong, H Co.....	30	Dmr. Tansly.....	25

Match No. 3—Aggregate.—Open to all members of the regiment. Ranges, 200, 400, 500 and 600 yards, 5 shots:—

D.R.A. silver medal and value. Staff-Sgt. Mitchell.....	81	Capt. Manley.....	65
O.R.A. silver medal and value. Staff-Sgt. McVittie.....	72	Bdsm. Van.....	63
D.R.A. bronze medal and value. Pte. Urquhart.....	71	Pte. Armstrong.....	63
Staff-Sgt. Dent.....	71	Col.-Sgt. Cuseck.....	62
Pte. Maddox.....	69	Pte. W. Dent.....	62
Capt. Bruce.....	69	Sgt. Bewley.....	61
Col.-Sgt. Fowler.....	68	Sgt. Mowat.....	61
Pte. Harris.....	65	Pte. W. Mitchell.....	61
Sgt. Smith.....	65	Pte. Shand.....	60
		Sgt. Brooks.....	60
		Pte. Irving.....	59

Casual Match—Open to all non-commissioned officers and men of the regiment who are unable to enter in time for the regular matches. To be shot from 2 to 3 o'clock. Range, 400 yards, 7 shots:—

Sgt. Gurney, G Co.....	27	Pte. Hutchison, C Co.....	9
Corp. Walterhouse, A Co.....	25	Dmr. Bowman, B Co.....	8
Col.-Sgt. Johnson, F Co.....	20		

Match No. 4—Aggregate Cup.—Open to any member of the regiment. Ranges, 200, 400, 500 and 600 yards. Prize, silver cup, value \$30. Conditions—To be won by the same member of the regiment twice before becoming the absolute property of the winner:—Won 1885 by Staff-Sgt. Mitchell; won 1886 by Capt. Manley; won 1887 by Pte. Jack, G Co.; won 1888 by Pte. McVittie, A Co.; won 1889 by Pte. Davis, A Co.; won 1890, and finally, by Staff-Sgt. Mitchell—81 points.

Match No. 5—Non-commissioned Officers' Challenge Cup.—Open to teams of five non-commissioned officers from each company. Prize, Challenge cup, value \$60. Cup to be held by sergeants' mess:—Won by A Co. team—257 points.

Match No. 6—Volley Firing.—To be competed for by teams of five officers, non-commissioned officers or men per company. Ranges and positions, 200 yards, standing; 400 yards, kneeling. Rounds, 5 at each range. Prize, Toronto Silver Plate Company's cup, value \$50. Conditions—To be won three times before becoming the absolute property of the winners:—Won 1889 by A Co.; won 1890 by A Co., 135 points; second prize, by E Co., 133 points.

Match No. 7—Officers' Team.—Open to teams of three officers (or less) of any one company, or any three staff officers (chosen by lot) of the regiment:—Won by staff team, Capt. Bruce to hold cup. Prize, Cosgrave cup. Conditions—The cup to be shot for every year, and to be held by the officer making the highest score in the winning team.

Match No. 8—Company Team.—Open to teams of ten previously named officers, non-commissioned officers and men of any one company. First prize, Adwell cup, value \$300. Conditions—The cup to be shot for every year, and to be held by the captain or other commanding officer:—A Co., 491 points; second prize, the Exhibition Association cup. Cup to be held one year by captain of winning company:—E Co., 444 points.

At the conclusion of the regimental match, the match arranged to be fired with the Demerara Rifle Association of British Guiana was proceeded with, and proved to be a contest of exceptional interest. The Martini rifle was used in this contest. The Demerara men fire solely with this rifle, and they are considered very strong in shooting. The Canadian average per man was 80 points. The firing was on the new Bisley target at 200 yards. Capt. Macdonald, adjutant of the Queen's Own Rifles, and Lieut. Cartwright, of the 47th Battalion, supervised the shooting, the former acting as range officer at the firing points, and Lieut. Cartwright was in the butts in charge of the markers.

The following are the scores, the conditions being 200, 500 and 600 yards; position, 200 yards, kneeling; 500 and 600 yards, any, with head to target; rounds, 7 at each range, with one sighting shot:—

	200 Yards.	500 Yards.	600 Yards.	Total.
Staff-Sgt. Mitchell.....	33	27	31	91
Col.-Sgt. Fowler.....	28	30	29	87
Capt. Manley.....	31	29	26	86
Sgt. Brooks.....	24	27	33	84
Staff-Sgt. Dent.....	28	28	28	84
Staff-Sgt. McVittie.....	25	28	28	81
Pte. Urquhart.....	26	32	20	78
Capt. Bruce.....	30	25	21	76
Sgt. Mowat.....	22	27	26	75
Pte. Mitchell.....	20	25	17	62
Grand total.....	267	278	259	804

The Demerara returns have not yet been received.

A BORDER TEAM MATCH.

A friendly match was fired on Saturday last, on the 21st Battalion ranges at the Town of Essex, Ont., between teams of six men each from the 21st Battalion and the 4th Regiment of Light Infantry, of Detroit, Michigan, U. S. A. The Canadians won, with 48 points to the good, having the creditable average of 85 points per man. In reports of the match received from two different sources, the rifles used by the teams are not stated, an unfortunate omission, but it is presumed that the 21st used Sniders. The scores were as follows:—

21ST ESSEX FUSILIER TEAM.				4TH REG. DETROIT LIGHT INFANTRY TEAM					
	300	400	500	Ttl.		300	400	500	Ttl.
Pte. W. R. Elliott....	31	32	28	91	Pte. C. E. Adams....	28	31	26	85
Staff-Sgt. A. J. Green.	29	28	32	89	Lieut. Wm. Smith....	31	22	31	84
Sgt. S. H. McAnnany.	24	34	31	89	Pte. W. H. Workman.	23	34	22	74
Sgt. J. C. Dixon.....	29	32	24	85	Pte. J. G. Ferguson...	23	26	25	79
Pte. S. B. Green.....	32	31	19	82	Pte. R. H. Sillman....	26	24	22	72
Corp. H. B. McGregor	20	28	26	74	Sgt. A. Brown.....	28	29	11	68
Totals.....	165	185	160	510	Totals.....	159	166	137	462

In reporting the match the Detroit *Free Press* says:—"While the Light Infantry team was defeated, they still have every reason to feel proud of the record they made. It was the first match they had ever shot, and the fourth time they had levelled a gun on an outdoor range. Col. Wilkinson, of the 21st Battalion, was present and congratulated the Infantry men on their performance. The shooting began at 10 a.m. and continued till train time. The Infantry team are highly pleased with their treatment at the hands of the Fusiliers, and are of the opinion that the latter are old masters when it comes to target shooting. A return match will be shot in this city in about two weeks. A range will be fixed about six miles out Grand River road."

CORNWALL RIFLE ASSOCIATION.

The seventh annual meeting of the Cornwall Rifle Association, which took place at the ranges, east of the town, on Tuesday and Wednesday of last week, were the most successful yet held by the association. The weather was perfect on both days, and about thirty competitors entered the lists. The shooting all the way through was close and exciting. Four of Prescott's crack shots were present, and though they managed to secure some good cash prizes, they were in all but one match obliged to succumb to the prowess of Cornwall's sharpshooters. Capt. J. F. Smart performed the arduous duties of range officer with credit both to himself and the association. He had, however, a jolly set of fellows to deal with, and his interference was never once required to settle anything in the shape of a dispute. Among the many visitors to the ranges during the progress of the matches were Col. J. H. Bredin, of Woodlands, commanding officer of the 59th Batt., and Major Gordon Baker, jr., of Osnabruck Centre. Both gentlemen expressed themselves as highly delighted with the success of this year's meet. In the final

match (the Merchant's) sides were chosen by Messrs. J. H. Dewar and R. Corrigan, the latter winning by a score of 312 to 295. There were 12 men on each side. The losers paid for an oyster supper in the evening at Crosbie & Hendry's oyster parlours. The following were the highest prize winners:—

First Match.—Open to members of the Association, officers, non-commissioned officers and men of the 59th Battalion; 200, 400 and 500 yards; five shots:—

\$10 Pte. Dewar..... 66	\$ 4 J. L. Weller, R.M.C..... 62
8 Sergt. Huntingdon..... 64	4 Stf-Sergt. Hutton..... 61
6 Sergt. Coates..... 63	4 Pte. E. H. Brown..... 56
5 Pte. Corrigan..... 62	4 Capt. Wood..... 56

Second Match.—500 and 600 yards; seven shots:—

\$10 Pte. Corrigan..... 60	\$ 3 A. A. Smith..... 45
6 Sergt. Coates..... 52	3 R. Brown..... 45
5 Pte. Dewar..... 51	2 A. McDonald..... 45
3 J. L. Weller, R.M.C..... 48	2 Pte. E. H. Brown..... 44
3 A. T. Porteous..... 48	2 Stf-Sergt. Huntingdon..... 44

Third Match.—200 and 500 yards; seven shots:—

\$10 Stf-Sergt. Huntingdon..... 59	\$ 4 Sergt. Runnions..... 52
8 G. H. Porteous..... 55	4 Sergt.-Major Hutton..... 51
6 J. L. Weller, R.M.C..... 53	4 Pte. Foster..... 51
5 Pte. Dewar..... 53	4 Sergt. Coates..... 50

Grand Aggregate—Open only to residents of the County of Stormont. This cup to be won twice before becoming the property of the winner:—

Pte. Corrigan, silver cup, by P. Purcell, M. P., value \$35 and \$5 cash. 170	A. T. Porteous..... 143
Pte. Dewar, silver medal, Dominion Rifle Association..... 165	A. A. Smith..... 142
J. L. Weller..... 163	G. H. Porteous..... 139
Pte. Brown..... 147	Sergt. Runnions..... 139
	Capt. Smart..... 138
	A. McDonald..... 137

At a meeting held on Wednesday evening the Purcell cup was awarded to Pte. Corrigan, and the second prize, the silver medal, to Pte. Dewar.

Merchants' Match—200 yards; standing or kneeling:—

A. T. Porteous..... 29	H. F. Gault..... 28
Capt. Smart..... 29	Sergt. Runnions..... 28
Pte. Abbott..... 29	Capt. Wood..... 28
J. L. Weller, R. M. C..... 28	

Regimental and Other News.

It is expected that Capt. E. Streatfeild, of the Gordon Highlanders, will be appointed A.D.C. to Col. Herbert, the new commandant of the Canadian Militia. Capt. Streatfeild came to Canada last winter as the successor to Capt. Wise as A.D.C. to General Middleton.

Capt. Huskisson, R.E., whose appointment on the staff of the Royal Military College was noted last week, and who is now on his way out to Canada, was married on the 20th ult., at Brighton, England, to Caroline Louise Mary, second daughter of the late Col. David Ward, Royal (late Bengal) Engineers.

At a meeting of the Short-Wallick Monument Committee at Quebec recently letters favouring the project were read from the Governor-General, Lords Dufferin and Lorne, and others; and offers to design and execute the monument were submitted from Messrs. Percy Woods Hebert, Genest and Dunbar, sculptors. It was decided to erect the monument on the vacant ground forming the approach to Dufferin Terrace, between Laval Normal School and the Post office.

Brigadier-General Robinson, commanding 1st Brigade Michigan State troops, has give a very courteous and kind invitation to Col. Wilkinson and the 21st Essex Fusiliers to attend a military parade in the city of Detroit on the 15th October. A large number of the State troops will be present, and the 19th U. S. Infantry from Fort Wayne, under Col. Smith. Governor Luce, of Michigan, has forwarded unasked authority to Col. Wilkinson for the regiment to cross over on that occasion, and Col. Wilkinson has made application to Ottawa for authority to go. If authority is granted the regiment will muster strong.

Major-General Cameron, of the Royal Military College, Kingston, has written a very interesting article on carrier pigeons and their uses. It appears in *The University Quarterly Review* and gives a great deal of detailed information about these birds, and the feats which they have performed. General Cameron shows that the fields for their use are more numerous than is generally supposed, and that it is by no means difficult to establish pigeon posts for ordinary purposes. He suggests that Atlantic lines should carry pigeons, both American and Irish bred birds, so that over the intermediate distance, being at the shortest part only 1,800 miles, news of a vessel could be sent in either direction. In Europe the breeding and training of pigeons is a regular part of the army service, and General Cameron suggests that some attention should be given to the subject in Canada.

Toronto.

The following promotions have been made in F Company, Queen's Own Rifles, and appear in regimental orders last issued:—To be Colour Sergeant, Sergt. H. M. George, vice Boulton, placed on the supernumerary list; to be Sergeant, Corp. A. A. Cockburn, vice George, promoted; to be Corporal, Pte. H. E. Crate, vice Cockburn, promoted.

The practice of the signal corps will take place every Wednesday evening. Members of the regiment wishing to join will report at the orderly room to Staff-Sergt. Strachan. Col.-Sergt. Cooper, B Company, returns to duty.

Montreal.

The Victoria Rifles, Montreal, will parade on Saturday afternoon for the unveiling with military honours of the monument which has been erected in Mount Royal Cemetery to the memory of the late Private J. H. Samuel, a member of the regiment, who was accidentally shot whilst on duty at the Exhibition Grounds during the small-pox epidemic in October, 1885. The commanding officers of the other city battalions have been invited to attend. The monument, which is a broken pillar of Massachusetts grey granite, bears the following inscription:—

"In memory of John H. Samuel, a member of the Victoria Rifles of Canada, who was accidentally shot while on duty with his regiment at the Mount Royal Hospital grounds on the 3rd of October, 1885. Erected by the City of Montreal, the Victoria Rifles and the Dental Association of the Province of Quebec as a tribute of respect and regret for the loss of a young life of much promise. Born 31st October, 1859; died 3rd October, 1885."

Four or five tents pitched in the Victoria Skating Rink, representing the camp of Captain Lydon's Highland Cadet Corps, furnished a large audience with a very pleasant entertainment on the evening of the 3rd inst. The tents were pitched in the rear of the rink, and presented a very picturesque appearance with the cadets swarming about them like so many ants. The programme was a very interesting one, comprising an inspection by Lieut.-Col. Houghton, D.A.G., who was greatly pleased with the proficiency of the boys. Some good races and dancing, plenty of music by the Royal Scots' band, and lastly some exciting tugs of war. These were with the manœuvres of the boys the feature of the evening. The pulls were in cleats, four men a side. In the first pull between four men of No. 5 police station under the captaincy of Sgt. Loyal, and four of the officers of the Scots, the city guardians got the best of it. In their second with four privates of the Scots as their opponents the pull was declared a tie, but the policemen came out victorious in the third pull. Two teams of the Highland cadets pulled two of the High School cadets. The military manœuvres by the boys were exceedingly well performed, and their proficiency brought forth round after round of applause. A fancy march was exceedingly well performed, and Capt. Lydon is to be congratulated on this as well as every other portion of the entertainment.

Modern Artillery Practice.

[Extracts from Army and Navy Gazette Editorial.]

It has not been possible to watch the conduct of different batteries at Okehampton this year without feeling that the utmost pains have been taken by their commanders to train their men in fire discipline before reaching the camp. It is now exceedingly rare to find officers interfering in details which ought not to concern them when all ranks have been instructed beforehand in their duties. The functions of commander, second in command, subaltern officers, sergeants, layers, and other working numbers, are now clearly defined beyond possibility of confusion. From the word "action" to the words "cease fire" each individual in the battery has a distinct duty, or rather succession of duties, to perform; and according to the degree of perfection which is reached by each during the preliminary instruction, so will the united results of the whole battery be correspondingly successful when tested by actual shooting. A battery of artillery now works like a machine—a self-acting, living machine, set in motion by its commander, and kept moving by the regularly directed action of each unit maintained in due gradation through all ranks. Drill, however, is only a means to an end. Has the shooting improved? We quote from the private letter of an artillery correspondent:—"The results this year are most encouraging. Firing at 3,150 yards at a small infantry target of fifteen dummies, in five minutes every man was hit more than once. This and similar shooting go to show that we can force infantry to deploy and hide their faces at least 1,000 yards before we come under their effective fire. With the 12-pr. gun, if the layers are quick and accurate in using Col. Scott's sight, there is no difficulty in finding the range in five or six, or even in fewer trial shots. We found shrapnel with percussion fuse most effective. When in action against some guns the Camp Commandant suddenly ordered us to fire at a cavalry target on our left flank, and gave us five minutes to do what we could. We picked up the range (2,700 yards,) and put fifteen shell into the target in the time allowed, disabling every man in the group. Probably half-a-dozen shell would have sufficed to beat off the attack." As regards the service of ammunition, the opinion seems to be gaining ground that, whenever

possible, ammunition should be supplied direct from the waggon bodies, the limbers both of guns and waggons being moved away to a safe place directly the battery comes into action. The gun-limbers should be kept as a last reserve, with full boxes and fresh horses, ready for an advance to the next position. If this system be finally approved, waggons must always be accustomed to be brought into action simultaneously with the guns. Gun and waggon should never be separated. This is a new departure, and one which must have an important bearing on future artillery tactics. The advantage of bringing up the waggons and unlimbering them in rear of the guns is that in the space of a few seconds every horse is taken away from the fire which the guns are certain to draw when once in action. The alternative method of serving ammunition from the gun-limbers and unhooking the horses meets with general condemnation from artillery officers. Certainly, in our view, unhooking horses under modern fire does not sound practicable. On this point we shall again await the Camp Commandant's report with interest and expectation. With reference to tactics, it is now more than ever settled that the battery is the unit for fire and manœuvre. Six guns with their waggons are as much as one man can bring into action and control with his own hand and voice. For purposes of organization, batteries are collected by threes into brigade divisions; but it cannot be too clearly understood that the purpose of the brigade division is for organization only, and not for drill or manœuvre. The colonel of artillery who in the next war tries to play the part of a cavalry brigadier, and heroically lead his three batteries into action, will lead them to certain destruction. The conditions of cavalry and artillery fighting are absolutely different. For artillery fire effect so much depends upon the local circumstances of the ground selected that each battery commander must reconnoitre his own ground and personally bring up his own battery on to the actual position where he is going to fight his guns. Such drill movements as are now practised at Woolwich and Aldershot—long advances of many batteries in line and deployments from deep columns—are unreal, unpractical, and misleading. For our part, we should wish to see what is known as precise drill limited to the battery, and any attempt to combine batteries together for drill movements forbidden. As soon as the fire discipline of a battery is perfect, and as soon as it can drill steadily under its own commanding officer, drill should cease and instruction in manœuvre begin.

The Drill and Driving Competition.

The official returns of the drill and driving competition of the Field Batteries, just made up by the Secretary of the Dominion Artillery Association, show that the Gzowski Challenge Cup, offered as the chief prize, has been won by the Durham Field Battery, with headquarters at Port Hope, Ont. It is the second win for this Battery, the former being in 1886. The cup has to be won two years in succession to give permanent possession, and it will be remembered that in 1887 Durham only lost by a fraction of a second, a piece of hard luck, which, now that they will have another chance for final possession, they deserve to have offset by a win next year. With the cup this year there went a cash prize of \$35. The second prize, \$25, was taken by the Ottawa Battery, whose time was only a few seconds more than that of the winners, and the third prize, \$15, was won by No. 1 Battery of the 1st Brigade. No. 2 Battery of the same Brigade were first last year, and this year they were fifth, so that the 1st Brigade make a very creditable showing.

The details of the competition were published early in the season. The prizes were awarded to the batteries performing the conditions in the shortest average time. For striking the pickets and other faults and mistakes in drill time is added by the umpire. The time given below is that after such additions had been made:—

Battery.	No. 1 Sub-Div.	No. 2 Sub-Div.	No. 3 Sub-Div.	No. 4 Sub-Div.	Total Time.	Average Time
	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.
Durham.....	2 20	2 17	2 20	2 35	9 32	2 23
Ottawa.....	2 18.8	2 28	2 23	2 41	9 50.8	2 27.7
No. 1 Bty., 1st Brigade..	2 46	2 38.5	2 38	2 30	10 32.5	2 38.1
Quebec.....	2 27.4	2 39.2	3 06.6	2 32.8	10 46	2 41.5
No. 2 Bty., 1st Brigade..	2 40	2 48	2 52	2 35	10 55	2 43.75
Montreal.....	2 40.5	3 03.5	2 37	2 35	10 56	2 44
Gananoque.....	2 36	2 38	3 04	2 48.4	11 01.4	2 45
Welland Canal.....	3 36	3 01	2 47	2 47.5	12 11.5	3 02.9
Kingston.....	2 56.4	3 08.4	3 38.8	3 10	12 53.6	3 13.4

The Garrison Artillery Competitions.

Below will be found the details of the firing in the Garrison Artillery competitions recently held under the auspices of the Dominion Artillery Association at the Island of Orleans, and the prize lists for which appeared in last issue:—

40-pr R. B. L. Guns.

Halifax Brigade.

NO. 1 BATTERY.		Gr. Burgess.....		9.00	5
		Gr. Thomas.....		6.37	24
		Total.....			57
Time. Score.		NO. 5 BATTERY.			
Gr. McCallum.....	7.50	6	Bty.-S.-M. Kiddie.....	6.08	8
Corp. Pierce.....	6.22	23	Corp. W. H. Theakston..	5.50	8
Sgt. Jackson.....	5.40	16	Gr. McDonald.....	6.20	22
Sgt. Frawley.....	8.05	23	Corp. Cunningham.....	5.41	17
Total.....		68	Total.....		55
NO. 2 BATTERY.		NO. 6 BATTERY.			
Sgt. Byres.....	7.25	15	Sgt. Marshall.....	7.00	18
Sgt. Carroll.....	8.00	18	Sgt. Snow.....	5.25	18
Corp. Marshall.....	7.00	19	Bdr. Harmon.....	6.30	14
Sgt.-Maj. MacKay.....	6.30	14	Gr. Watson.....	6.20	15
Total.....		66	Total.....		65
NO. 3 BATTERY.		NO. 7 BATTERY.			
Sgt. Weatherby.....	6.50	15	Sgt. Doane.....	6.25	11
Corp. Spence.....	6.42	22	Corp. Pritchard.....	5.00	14
Sgt.-Maj. Case.....	6.23	27	Bdr. Campbell.....	6.10	12
Gr. Morgan.....	6.22	20	Gr. Hodgson.....	6.00	10
Total.....		84	Total.....		47
NO. 4 BATTERY.					
Sgt. Bartlett.....	8.25	22			
Sgt. Broadhurst.....	7.06	6			

Montreal Brigade.

NO. 1 BATTERY.		NO. 4 BATTERY.			
Gr. Stewart.....	6.03	8	Sgt. Finlayson.....	7.32	15
Gr. Harper.....	6.40	20	Sgt. Clarke.....	5.22	14
Gr. Salmon.....	5.45	10	Sgt. Laird.....	5.13	8
Sgt.-Maj. Benton.....	6.05	3	Bty-Sgt.-Maj. Dowker....	5.55	7
Total.....		41	Total.....		44
NO. 2 BATTERY.		NO. 5 BATTERY.			
Bdr. Wighe.....	4.15	7	Corp. Norris.....	5.10	10
Bty-Sgt.-Maj. Beattie....	6.11	6	Gr. Fradd.....	6.43	14
Gr. Overing.....	6.34	16	Gr. Phillips.....	5.03	7
Gr. Heissner.....	5.23	16	Gr. Hammond.....	5.41	14
Total.....		45	Total.....		45
NO. 3 BATTERY.		NO. 6 BATTERY.			
Sgt. McDonald.....	6.10	15	Bmbr. Gubian.....	6.45	12
Gr. Goodfellow.....	7.22	10	Gr. Edmunds.....	5.00	5
Gr. Foreman.....	5.17	7	Bty-Sgt.-Maj. Figan.....	5.15	5
Bty-Sgt.-Maj. Jones.....	7.15	18	Sgt. Allison.....	5.12	8
Total.....		50	Total.....		30

P. E. Island Brigade.

NO. 1 BATTERY.		Sgt. Coffin.....		7.05	22
Gr. Scantlebury.....	7.29	9	Total.....		53
Sgt. Ofter.....	6.05	12			
Bmbr. Proud.....	5.53	12	NO. 3 BATTERY.		
Corp. McDonald.....	5.07	6	Gr. Alley.....	7.43	21
Total.....		39	Gr. Owen.....	9.45	13
NO. 2 BATTERY.		Gr. Wickwire.....	5.53	3	
Corp. Quigley.....	11.58	5	Gr. McCormick.....	7.35	6
Gr. Johnson.....	6.09	17	Total.....		43
Gr. McLaren.....	6.30	9			

Yarmouth Battery.

Corp. Haley.....	6.10	19
Bmbr. Hulsman.....	7.15	19
Gr. Purdy.....	6.33	17
Gr. Clarke.....	7.07	19
Total.....		74

New Brunswick Brigade.

NO. 2 BATTERY.		Gr. McKay.....		8.18	11
Gr. McCavour.....	9.30	17	Total.....		54
Sgt. Lee.....	8.17	3			
Gr. Smullen.....	8.20	4	NO. 5 BATTERY.		
Gr. Lord.....	7.32	9	Gr. Linton.....	9.19	14
Total.....		33	Sgt. Semple.....	7.20	14
NO. 4 BATTERY.		Gr. Rayne.....	6.27	11	
Corp. Hatt.....	7.05	17	Corp. Brownell.....		
Gr. Law.....	11.35	10	Total.....		39
Gr. Kerr.....	12.21	16			

<i>No. 1 Battery Levis.</i>		<i>No. 2 Battery Quebec.</i>	
Sgt. Lemieux.....	14	Sgt. Migneault.....	7.18 10
Corp. Gelly.....	27	Corp. Laliberte.....	5.38 6
Sgt. Lacroix.....	15	Gr. Belanger.....	6.15 13
Sgt. Martineau.....	10	Gr. Dubeau.....	5.34 18
Total.....	66	Total.....	47

<i>No. 2 Battery Levis.</i>		<i>Cobourg Battery.</i>	
Corp. Samson.....	7.35 16	Sgt. Russell.....	15
Sgt. Roy.....	8.22 25	Corp. Bray.....	19
Sgt. Girard.....	8.40 11	Bmbr. Routh.....	15
Sgt. Bergeron.....	7.58 7	Sgt. Mulrenin.....	15
Total.....	59	Total.....	64

64-pr. R. M. L. Guns.
Halifax Brigade.

NO. 1 BATTERY.		Gr. Thomas..... 9.15 16	
Sgt. Frawley.....	10.10 10	Total.....	30
Sgt. Jackson.....	9.15 15	NO. 5 BATTERY.	
Corp. Pierce.....	10.40 12	Corp. Cunningham.....	10.45 11
Gr. McCallum.....	9.31 18	Gr. Macdonald.....	9.38 11
Total.....	55	Corp. Theakston.....	10.00 22
NO. 2 BATTERY.		Bty-Sgt.-Maj. Kiddy.....	9.40 7
Sgt. Mackay.....	8.02 13	Total.....	51
Corp. Marshall.....	8.18 16	NO. 6 BATTERY.	
Sgt.-Maj. Carroll.....	8.42 22	Sgt. Marshall.....	10.30 20
Sgt. Byres.....	7.22 24	Sgt. Snow.....	7.02 16
Total.....	75	Bmbr. Harman.....	9.40 4
NO. 3 BATTERY.		Gr. Watson.....	11.40 8
Sgt. Spence.....	10.10 14	Total.....	48
Gr. Morgan.....	8.28 7	NO. 7 BATTERY.	
Sgt. Weatherby.....	8.53 21	Sgt. Doane.....	9.30 3
Sgt.-Maj. Case.....	9.11 15	Corp. Pritchard.....	9.46 11
Total.....	57	Bmbr. Campbell.....	8.40 19
NO. 4 BATTERY.		Gr. Hodgson.....	9.40 10
Sgt. Bartlett.....	11.10 1	Total.....	43
Sgt. Broadhurst.....	10.17 5		
Gr. Burgess.....	8.00 8		

Yarmouth Battery.

Gr. Wilson.....	9.13 20
Gr. Clarke.....	10.11 9
Gr. Eldridge.....	9.39 13
Corp. Haley.....	11.23 6
Total.....	48

No. 2 Battery, Quebec.

Sgt.-Maj. Lamontagne.....	9.01 13
Sgt. Migneault.....	10.45 2
Gr. McKavour.....	5.25 12
Gr. Frenette.....	10.00 5
Total.....	28

Montreal Brigade.

NO. 1 BATTERY.		NO. 4 BATTERY.	
Bomb. Kyle.....	15.05 1	Sgt. Finlayson.....	9.51 14
Sgt. Courtney.....	10.52 11	Sgt. Clarke.....	7.13 7
Corp. Clarke.....	14.29 3	Sgt. Laird.....	7.00 10
Gr. Rogerson.....	8.47 13	Sgt.-Maj. Dowker.....	6.13 16
Total.....	20	Total.....	47
NO. 2 BATTERY.		NO. 5 BATTERY.	
Sgt. Poole.....	12.20 3	Sgt. Gordon.....	11.10 3
Corp. Nicolls.....	10.20 14	Sgt. Pingle.....	8.15 14
Bdr. Brown.....	10.00 8	Corp. Carpenter.....	9.01 6
Sgt.-Maj. Beattie.....	13.57 9	Corp. Bowell.....	6.55 5
Total.....	34	Total.....	22
NO. 3 BATTERY.		NO. 6 BATTERY.	
Gr. Morrison.....	12.08 13	Sgt. Fegan.....	7.32 11
Sgt.-Maj. Jones.....	10.28 20	Gr. Goodbody.....	5.40 8
Sgt. McDonald.....	11.18 1	Gr. Bricault.....	9.16 3
Gr. Linn.....	12.18 2	Gr. Gubian.....	10.26 1
Total.....	36	Total.....	21

Cobourg Battery.

Sgt. Russell.....	9.35 23
Corp. Bray.....	9.36 20
Bdr. Routh.....	9.20 18
Sgt. Mulrenin.....	8.24 25
Total.....	86

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No. 1 Battery, Levis.

Sgt. Lemieux.....	10.39	9
Corp. Gelly.....	8.15	14
Sgt. Lacroix.....	9.25	7
Sgt. Mulrenin.....	9.40	8
Total.....		38

No. 2 Battery, Levis.

Corp. Samson.....	11.23	—3
Sgt. Roy.....	11.30	18
Sgt. Girard.....	11.43	16
Sgt. Bergeron.....	14.29	—3
Total.....		28

New Brunswick Brigade.

NO. 2 BATTERY.		Gr. McGowan.....	11.30	9
Gr. Perry.....	9.50	13		—
Sgt. Gray.....	10.40	13	Total.....	29
Sgt. Lee.....	10.30	15		
Gr. Macavour.....	11.20	18		
Total.....		59		

NO. 5 BATTERY.

Sgt. Cooper.....	10.00	—
Corp. Brownell.....	8.55	8
Corp. Raynes.....	9.53	8
Gr. Miller.....	9.03	16
Total.....		32

NO. 4 BATTERY.

Corp. Hatt.....	14.58	—
Gr. Carlos.....	5.24	17
Gr. Boyd.....	9.50	3
Total.....		37

P. E. Island Brigade.

NO. 1 BATTERY.		Sgt. Coffin.....	9.01	8	
Bdr. Proud.....	9.16	11	Total.....	55	
Gr. Scantlebury.....	7.54	15			
Sgt. Offer.....	14.00	5			
Corp. McDonald.....	9.30	6			
Total.....		37			
NO. 2 BATTERY.		Gr. Alley.....	10.14	8	
Corp. Quigley.....	11.21	13	Gr. Wickwire.....	13.12	—
Gr. Johnson.....	8.23	19	Gr. Owen.....	11.12	2
Gr. McLaren.....	8.29	15	Gr. McCormick.....	13.00	11
Total.....		21			

Correspondence.

[This paper does not necessarily share the views expressed in correspondence published in its columns, the use of which is freely granted to writers on topics of interest to the Militia.]

THAT UNCLAIMED PRIZE.

EDITOR MILITIA GAZETTE,—In your issue of 2nd inst. I notice a letter from Thomas Bacon, Secretary D.R.A., which I consider was wholly uncalled for and quite out of tone respecting my letters on the subject. If there had been any charge of mismanagement or carelessness either instituted or intimated in my letters against the D.R.A. I could readily understand why he should rise in his might and rally to the defence of the association, but such is not the case, and the facts are quite the reverse. He says: "I have the ticket on which the score is recorded, with the name written on it in Captain McMicking's own handwriting." Now, Sir, if Thomas Bacon will look at *all* of my Extra Series tickets he will see the name of Captain McMicking written in his (Capt. McM.'s) *own* handwriting. And may I ask, Sir, what competitor does not write his *own* name upon his *own* Extra Series tickets in his *own* handwriting? Again, he says: "If Captain McMicking, by carelessness or any other way, let one of his tickets out of his possession, I don't see how the association can be held responsible therefor." Mark the word, "*carelessness*." Now, Sir, I wrote my *own* name upon three revolver tickets and gave them, as previously stated, to the register-keeper, and carelessly walked away, leaving the register-keeper in possession of my tickets. If you remember the timing system, did not extend to this match, consequently I must hand my tickets to the register-keeper and wait my turn to fire them. There is no alternative that I am aware of. If so doing constitutes "*carelessness*" I plead guilty to the charge.

In my former letter I gave the facts as clearly as my knowledge of the English language would permit me to do. I stated that "some person, by *mistake* or *designedly*, had no doubt fired upon one of my tickets and put on a winning score 'for me.'" Is this a charge against the association? I rather think not, but, on the contrary, a vindication. Briefly stated the facts are, viz.: My name appeared in the list of prize winners. In due course of time I received from Lt.-Col. Macpherson (by registered letter) said prize. I knew that I did not win the prize and was not entitled to receive it, and accordingly I returned it to from whence it came. What more should I do? What other course was open to me?

GEO. A. McMICKING, Captain,
Commanding No. 6 Co. 44th Bn.

P.S.—I again request the name of the (mistaken) witness.—McM.
Niagara Falls, Ont., Oct. 6th, 1890.

Gleanings.

A general officer of the Russian army has invented a shirt of mail, which is said to be extraordinarily light, impervious to bullets or sabre thrusts, and cheap to manufacture.

According to a late order, the sentries of the Austrian army execute no special salute to commissioned officers. They simply stand at attention when an officer passes, a courtesy which was formerly shown to non-commissioned officers, who now receive no salute from sentries. This is ordered to simplify the manual of arms.

Experiments have been made at Havre with a luminous buoy, invented by M. Dibos. The buoy emits the light—which is produced by phosphide of calcium—on reaching the water; and, as it is very powerful, the sea is illuminated for a considerable distance around. Spectators in the lighthouse at Havre saw the glare distinctly at a point two and a half miles away, and it can be seen for over five miles.

The New York *Herald* thus disposes of Boulanger: "There was never anything in him. He was a general who had never fought a battle; a statesman who had never planned a measure, an orator who had never made a speech. He posed as a Napoleon, but behind Napoleon were Marengo, Austerlitz, and Wagram, with a civil policy worthy of Rome in the last day of the Cæsars. Behind Boulanger—what? A music hall ditty, several gaudy portraits of himself on horseback and a group of coffee house cabals."

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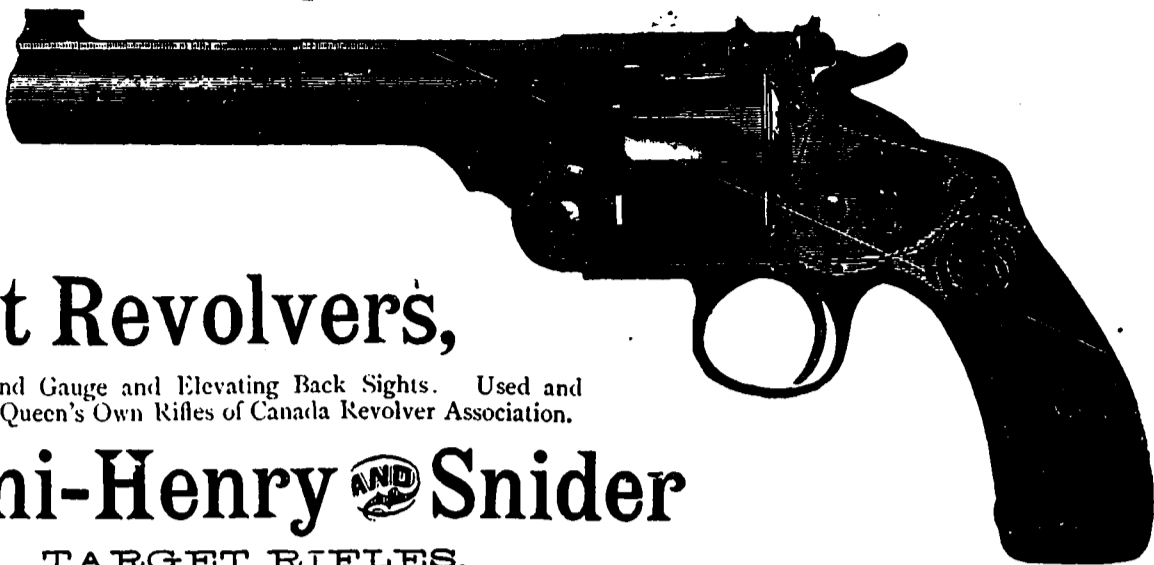
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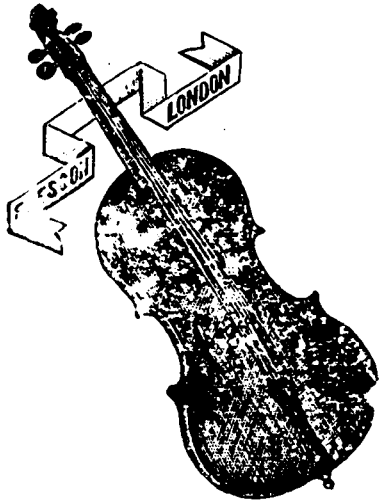
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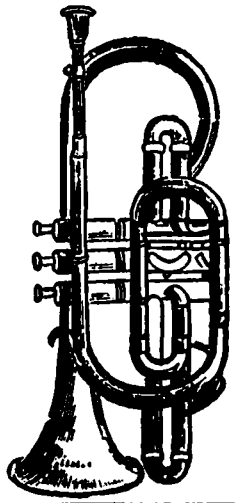
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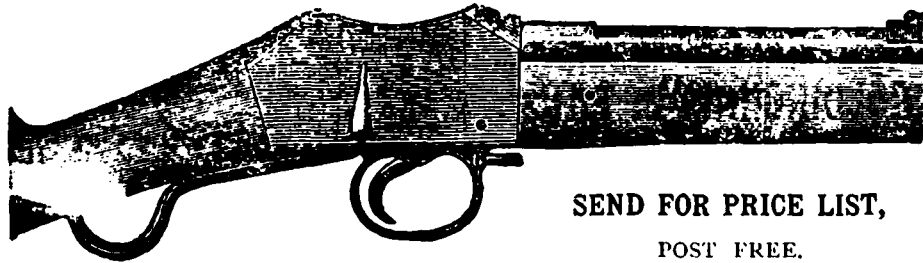
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