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MILITIA GENERAL ORDERS.
No. 15, of 5th December, 1890.

Note and Comment.

Many of our readers have no doubt been interested in the letters appearing from time to time in these columns advocating an increase in the pay of the Orderly Room Clerks at the Royal Schools of Infantry, who now have only the pay of private soldiers. The explanation of the seeming anomaly lies in the fact that the Militia Department does not desire to maintain a regimental staff for each of the companies in connection with the schools, and soldiers other than those allowed to draw pay as staff-sergeants have been appointed Orderly Room Clerks. The appointee of course views the matter from quite a different standpoint, and there is much in his argument that as he does the work, he should be accorded the rank and emolument. But the Department disclaims any responsibility for the office, saying in effect to each of the company commandants: "We give you your complement of all ranks; utilize them as you think best; but the subdivision of the work is not to entail any greater expense than authorized for the company establishment."

The *Broad Arrow* contains the following complimentary notice of a Canadian officer having hosts of friends in the Dominion militia who will be pleased to hear of his promotion: "Whatever feeling there may be on the subject of senior promotions, the Horse Guards continue to do good work in pushing on deserving subalterns by means of special advancement in the service. The latest instance is afforded in the selection of Lieutenant Henry Ellison Wise, of the Cameronians (Scottish Rifles) for a company in the Derbyshire Regiment. Captain Wise has been for five years on special service in Canada as aide-de-camp to Sir F. D. Middleton, and as such served throughout the operations in the North-West Territories in 1885, being present at the engagements of Fish Creek (when he was wounded), and at Batoche. He was mentioned in despatches, and received the Canadian War medal for his services." Capt. Wise has for some time past been on the staff of the Viceroy of India. He was one of the first class of graduates of our Royal Military College, and did his full share in establishing for that institution the reputation which its graduates have ever maintained.

Col. Herbert's appointment to the command of the Militia of the Dominion, with the rank of Major-General in that body, was gazetted in last Militia General Orders, in which also the official announcement appears of his arrival at headquarters and assumption of the duties of his new office. General Herbert has promptly set about familiarising himself with the affairs of his command. No doubt he will be able to

give an interesting statement of his impressions and ideas at his first public appearance in Canada, when on Tuesday next he is the guest of the Toronto officers at a grand banquet, invitations to which have been accepted by the Minister of Militia and the General. No happier auspices could be chosen for the inaugural public meeting of the new Commandant and the officers of his command.

A valuable pointer was given by the Minister of Militia at the Belleville banquet, reported in our Regimental News, as to the means by which Government grants may be obtained for purposes of the militia. Of course Sir Adolphe Caron spoke largely in jest, because it is not to be supposed that he would yield to a demand, however urgent, for an expenditure not absolutely needed; but there not being money enough to satisfy all applicants, other things being equal the most importunate will generally be found to be the first served. A Minister desiring to find means of satisfying just claims upon his department may have his case greatly strengthened with his colleagues by the influence exerted by the Member of Parliament most interested. It therefore behoves the members of the Militia to see that their representatives in Parliament are kept properly posted and interested in the requirements of the force.

We have before this had occasion to make complimentary allusion to the enterprise of the Belleville officers, and we now take occasion to congratulate them upon the successful inauguration of the handsome home they have established for the Fifteenth Battalion. Col. Lazier has just cause for pride in the outcome of his many years of effort in this direction. His corps have thus been afforded opportunity for the social features which are always a powerful incentive to connection with volunteering.

Another bazaar is in progress in connection with the Victoria Rifles Armoury fund, and the enthusiastic lady friends of the gallant Vics are nobly helping to free their club house from the debt still remaining and rendering the maintenance of the institution more expensive than it ought to be. The bazaar will be beneficial to an extent greater than the money immediately realized, for it will increase the interest in the regiment and assist the officers in their endeavour to secure as recruits the best class of young men in the community. The Vics made a bold experiment in erecting their capacious armoury and club house, but the results have already shown their action to have been well advised and timely.

The Board of Visitors of the Royal Military College, revived and reconstituted after some seven years' inactivity, are very shortly to pay a visit to that institution. The members are all officers of large experience and practical ideas, and their conclusions and recommendations will be awaited with general interest.

Apropos of the remarks recently appearing in these columns on the subject of the funding of drill pay, it is interesting to note the continued satisfactory working of the adoption of this system in the

Thirteenth Battalion, of Hamilton. In connection with the determination of the inter-company competition just held, Capt. Mutton, of the Queen's Own Rifles, who was one of the judges, is reported to have said that during ten years' acquaintance with the Thirteenth, he had never before seen the corps in so efficient a condition.

There has just been issued from the Canadian Military Institute, Toronto, a neat programme of the lecture course for the remainder of the present season, the first announcement being for Monday evening next, 15th inst., when Lieut.-Col. O'Brien, M.P., of the 35th Battalion, will treat of "Drill and Discipline." On the 12th January, Lieut.-Col. R. Z. Rogers, of the 40th Battalion, will contribute to our military history a paper dealing with incidents gleaned from "Journals of the officer commanding the Queen's Rangers during the war of 1755-1765"; and coming half a century closer Capt. Ernest Cruickshank, of the 44th Batt., will on the 16th February address the Institute on "The Battlefields of the Niagara Peninsula during the war of 1812-14." The annual meeting of members will be held on the 26th January.

Good service is being rendered to the force, in attracting public attention, by the *Dominion Illustrated* in publishing a continuous series of illustrations of military subjects, and the members of the militia should show a generous appreciation of the interest thus taken in them. By a special arrangement made with the former proprietors and renewed with the new management, we are enabled to offer the *Dominion Illustrated* and the MILITIA GAZETTE for \$4.50 a year, or \$1 less than the price of the two otherwise than under this clubbing arrangement. A new volume of both publications will commence with the first of the year, and we would advise those intending to take advantage of this offer to do so at once by forwarding their subscriptions to us.

Once again the Prince Edward Island Brigade have won first place in the General Efficiency Competition for Garrison Batteries, thus maintaining for the ninth year their unbroken record of victory. As in the previous six years, No. 2 Battery are the Brigade and Dominion champions. Their score was 118 points (the same as last year) out of the 130 possible. No. 5 Battery of the Halifax Brigade were a very close second, with 117 points, and for third place No. 1 P.E.I., and No. 1 New Brunswick, tie numerically with 116 points each. The contest thus proved unusually close. There were not more than two points difference between the first two batteries in any of the seven departments of the contest, and in four they tied. The first prize is the cup presented annually by the Governor General; and the second consists of \$25 cash and a year's possession of the challenge cup the parting gift of the Marquis of Lansdowne. We are happy to be able to renew our annual congratulations to No. 2 Battery, P.E.I., and their commanding officer, Capt. Longworth, and trust that they may long continue to set so hot a pace for this contest. The official returns, hitherto withheld by reason of the protest disposed of as reported in this issue, will be given in full in our next.

The Dominion Artillery Association.

An extraordinary meeting of the Council of the Dominion Artillery Association was held at the Drill Hall, Montreal, on Wednesday, 3rd inst., in accordance with a circular notice issued by the Secretary according to instruction. There were present Lt.-Col. Turnbull, President of the Council, in the chair; Major Cole, Captains, Finlayson, Ogilvy, Bissett and Crathern. Capt. Maxwell by request acted as Secretary. The correspondence by reason of which the meeting had been called, was read, as follows:—

HALIFAX, October 18, 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 obed't servant.

(Sgd.)

FRED. H. OXLEY, Captain,

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

No. 5 Battery, H.G.A.

[This protest was endorsed and forwarded by Lt.-Col. Curren.]

MEMO. BY INSPECTOR OF ARTILLERY.

"In making arrangements for my inspection tour in the Maritime Provinces, I informed Lt.-Col. Moore that I would probably inspect Nos. 1 and 2 Batteries, P. E. I. Brigade, on or about the 16th August. He replied requesting me, if possible, to postpone my inspection until a later date, when Capt. Longworth, commanding No. 2 Battery, would have returned from Bisley. As, however, in 1889 I had taken N. B. first on my tour and P. E. I. last, I considered it only fair to the former to change the order in 1890, but, however, referred Col. Moore's request to Lt.-Col. Armstrong, in order that, if it suited his convenience, I would take P. E. I. last, instead of first, in my tour. Col. Armstrong was, however, anxious that I should postpone his inspection to as late a date as possible, and consequently I inspected the P. E. I. Brigade on the 18th August.

"Lt.-Col. Moore referred the question as to whether Capt. Longworth should be allowed to answer the printed questions for my decision, suggesting also that if I thought proper a different set of questions should be prepared for the purpose, or that Capt. Longworth should be required to answer all the questions instead of any two. After giving the subject very careful consideration I came to the conclusion that inasmuch as the object of the Efficiency Competition is to decide the relative efficiency of the batteries for the current year, and that as Capt. Longworth had attended the drills of his battery up to the time of his departure, was actually an efficient officer thereof, and would have been present with his corps had I been able to postpone my inspection for a week or so, it was only fair to his battery to give him the opportunity of answering *any two* of the printed questions.

"Acting upon this conclusion I requested Lt.-Col. Irving, Brigade-Major, to hold the examination, and to forward the replies to questions selected by me and written in his presence, without assistance of any sort, to me. This has been done, and the credits awarded.

"With reference to the argument that Capt. Longworth was not actually present at inspection, I may add that several somewhat similar cases have occurred from time to time, in which officers have been prevented through illness or some other unavoidable cause, from being actually present at inspection. So long, however, as the officers were actually efficient with their batteries at their annual drill, I considered that the conditions of the competition were practically observed, and the officers were given an opportunity of answering the questions, as I do not think that a mere verbal technicality should interfere with the main purpose of the competition.

"It so happens that Capt. Longworth's battery has obtained the highest marks at my inspection, and would consequently receive the first prize for efficiency, if no other battery makes a higher score.

(Signed),

D. T. IRWIN, Lt.-Colonel,

23rd October, 1890.

Inspector of Artillery."

The following members, being unable to attend the meeting, sent their opinions in writing: Lt.-Col. Montizambert, Lt.-Col. Cotton, Lt.-Col. Macdonald, Lt.-Col. Armstrong, Lt.-Col. Moore, Major Lindsay and Capt. Gregor. All of these were in favour of sustaining the action of the Inspector of Artillery.

On motion of Capt. Finlayson, seconded by Capt. Ogilvy, it was unanimously resolved that the action of the Inspector of Artillery be sustained and that it was only fair and just that, Capt. Longworth being absent on duty, his Battery should not suffer by such absence.

It was pointed out that as there is no rule regarding the presence of an officer at inspection, it would be well to have this point more clearly defined for future competitions.

Many a once suffering consumptive has had reason to bless that valuable preparation, T. A. SLOCUM'S OXYGENIZED EMULSION of PURE COD LIVER OIL. Every druggist sells it, while the office of the Company at Toronto, Ontario, can bear witness to the daily increasing demand for it.

Regimental and Other News.

The Belleville *Ontario* is responsible for the following: "A Toronto Colonel has long refused to rise in the Anglican church when the clergy enters the church. Recently he took his regiment to service and gave orders to his men that they were to remain seated on the entry of the choir and clergy. Somehow the rector got wind of the Colonel's tactics. A word to the organist and to the astonishment of the gallant Colonel he found himself and his battalion glued to their seats by his own order while every other mother's son in the congregation rose to his feet as the choir and clergy entered to the familiar strains of 'God Save the Queen.'"

The Berlin, Ont., *Telegraph* contains a very complimentary notice of a concert recently held under the auspices of the band of the 29th Battalion, including these sentences: "We cannot close without complimenting Mr. Heinicke, the leader. He has certainly brought the band up to a very proficient state and takes much pains with the boys. We understand this concert is to be repeated in Galt under the patronage of the officers of the 29th Battalion, who will, no doubt, feel proud of having the crack band of the Brigade." The same paper states that the Berlin Musical Society are making arrangements to have the 13th Battalion and Royal Grenadiers to that town during next May, as well as the 29th Battalion. A plot of land of about two hundred acres will be secured for drilling, etc.

Toronto.

The members of G company, Q. O. R., held the second of their series of smoking concerts on Tuesday evening in their handsome quarters in the new arcade building on Yonge street, and the event proved to be in every way a great success. Mr. Acheson, one of the popular members of the company, presided, and on his right sat Capt. Bennett, the popular commanding officer of the company, and Capt. Macdonald, the adjutant of the regiment. The programme, which was made up of songs, recitations, banjo solos, etc., was contributed to by Messrs. Fairweather, Wm. Kain, E. J. Ebbles, Stephen Jarvis, J. B. Mundie, H. Hall, Norrie Mills and A. Acheson, with Mr. L. T. Carlisle as piano accompanist. A popular feature of the evening also was an exhibition of mind reading by Mr. Jno. Miller who proved himself to be a mind reader of no mean ability. The boys enjoyed themselves immensely and the evening passed off without a hitch. The company expressed publicly through their captain, Mr. Bennett, the loss they were about to sustain by the removal of Corporal Baynes-Reed and Pte. Molson, of the Molsons Bank, to Winnipeg and Trenton respectively. The former gentleman has been connected with the Q. O. R. for a number of years and his present commanding officer complimented him highly on the many sterling qualities he possesses as a volunteer and defender of his country. Mr. Molson has also done himself credit during the comparatively short time he has been connected with the company.

Major Sankey will deliver a lecture on rifle shooting to the members of the company on Tuesday next, and Capt. Macdonald also has promised to discourse on a popular military subject during the early part of the winter.

Hamilton.

The final stage of the Company Competition took place at the Drill Shed on Friday evening, 21st November, Captain McDougall, of "C" Co., I.S.C., and Captain Mutton, Q.O.R., acting as judges. Five companies out of eight competed in the presence of a large number of spectators.

It was about eleven o'clock when the drill was completed and the battalion was formed up in quarter column to hear the result. A great deal of interest was naturally taken in the result, as the competition comprised all the work done during the year.

Colonel Gibson explained the nature of the competition, and gave the results:—

First Prize, \$40—"D" Company, Capt. Ross, Lieut. Witton.
 Second Prize, \$30—"B" Company, Capt. Bowman, Lieut. Powis.
 Third Prize, \$20—"F" Company, Capt. Tidswell, Lieut. Fearman, 2nd-Lieut. Laidlaw.
 Fourth Prize, \$10—"C" Company, Capt. Zealand, Lieut. Osborne.

The following is a detailed statement of the result:—

	A.	B.	C.	D.	F.
Armories.....	87	87	83	93	93
Class firing.....	119	140	127	146	121
Attendance.....	170	221	187	250	173
Drill competition.....	315	468	351	467	478
Written examinations.....	80	75	73	100	82
Field day.....	75	78	75	80	75
Totals.....	848	1,069	896	1,136	1,022

Captain Mutton was requested to address the battalion. He said that during ten years he had known the battalion, it had never been in

as efficient a condition as it was now. He referred to the way that F company had drilled and congratulated the officers. C company was at a disadvantage owing to the absence of its subalterns. The figures speak for themselves, he said, and you should feel you have made a great deal of progress during the year. I am satisfied that every one here must see a marked improvement in the battalion. (Applause.)

The drill of the 13th Battalion may be said to be over for this year, and it has been a year of great success as far as the 13th is concerned. The last battalion parade was held last Friday, about 200 being present, Lt. Col. J. M. Gibson being in command. After being put through several movements by the Commanding Officer and Major McLaren the battalion was dismissed about nine o'clock in order that the winter caps and mitts could be served out. Captain Ross was acting adjutant.

Lieut. Carpenter, A company, I. S. C., dropped in for a few minutes to see how his old regiment was getting on.

D company, Capt. Ross, visited the Y. M. C. A. last week and spent a very pleasant evening there. Capt. Stoneman's company is going to do likewise on Friday evening next.

Belleville.

The officers of the 15th Battalion gave a grand banquet at their quarters on Church street last week. The spread was prepared by the popular caterer Harry Webb, of Toronto, and it was the most elaborate ever laid before the *elite* of Belleville municipality. The officers mess rooms were inadequate to accommodate more than the officers of the battalion and members of the mess. The officers of the battalion deserve great credit for the management of the affair and the Cabinet Ministers and visitors who were present will carry away a lasting memory of the courtesy with which they were received and entertained.

Lieut.-Col. Lazier presided, having on his immediate right Sir A. P. Caron and H. Corby, M.P., and on his left Hon. Mackenzie Bowell and Lieut.-Col. Brown, whilst amongst others present were Hon. John Haggart, C. H. Mackintosh, M.P., H. Wood, M.P., W. H. Biggar, M.P.P., Lieut. Col. Robertson, Major R. E. Lazier, Capt. Robertson, Wills, Ponton, Donald, Lazier, Halliwell, Merrill, Pope and Strange, Lieuts. Overell, Clapp, Lazier and Vertmilyea, Chaplain Maclean, Paymaster Biggar, Rev. S. Daw, Dr. Cook, Dr. Wilson, Dr. Eakins, Messrs. J. T. Warrington, D. M. Waters, U. E. Thompson, B. Mathison, T. S. Carman, Thos. Ritchie, A. Gillen, J. P. C. Phillips, J. D. Clarke and Wm. Webster.

After Chaplain Maclean had pronounced grace the health of the Queen was loyally drunk, followed by singing the national anthem. Col. Lazier in a few words welcomed the visitors to their new quarters. He reviewed the history of the militia of Belleville with its many drawbacks, and when he resumed his seat the gallant Colonel was loudly cheered. In response to the toast to the good health of the Cabinet Ministers Sir A. P. Caron, Minister of Militia, took occasion to compliment the officers and members of the battalion on their fine drill shed, which was second to none in Canada. He conferred a compliment on H. Corby, M.P., for the persistent manner in which he had championed their cause at Ottawa. He stated that Mr. Corby was in his office morning, noon and night, and the speaker had finally come to the conclusion that there was only one way to get rid of the member and that was by acceding to his request and recommending a grant of \$10,000 towards the Belleville drill shed. (Great laughter.) He thought they had been economical in their expenditure and had spent their grant to the best possible advantage. He spoke honestly when he said that Belleville could boast of one of the finest and most replete drill sheds in Canada. (Applause.)

Hon. M. Bowell, Minister of Customs, also paid a high tribute to Mr. Corby for his untiring efforts to secure a grant from the Government. He had succeeded, and to him was largely due the credit of erecting one of the finest battalion quarters in Ontario.

Following Mr. Bowell Hon. Mr. Haggart, Postmaster General, gave a short address and was followed by Charles Mackintosh, M.P., for Ottawa, who concluded by proposing the toast of Col. Lazier, who had been indefatigable in his efforts to promote the best interests of the battalion. The colonel in response thanked the assembly for their feeling and said that while he held the proud position which he now held in Her Majesty's service he would ever remain loyal and stand at his post of duty when called upon to defend the liberty of his country. (Great cheers.) He was proud of the new quarters, to the accomplishment of which he had spent the best forces of his life, and now that it was an established fact he felt that the object of his life had been attained, and it was only left for him to enjoy the fruits of his labours. He would not have the impression go abroad that to him entirely was due the erection of the drill shed, for there were those officers and citizens who had worked hard and faithfully in the accomplishment of this end. (Applause.)

At midnight, accompanied by the Minister of Militia, the guests

visited the new quarters, and Sir Adolphe Caron made a critical examination of the whole building, and expressed the greatest satisfaction with everything about the institution. When they again assembled in the officers' quarters they were joined by a number of citizens who had been invited to take part in the after festivities, which, with sparkling wine and song, lasted until a late hour. During the evening the Oddfellows' and Military band rendered sweet music, which was appreciated by all present and reflected credit on Prof. Riggs.

Major Mayne on Infantry Fire Tactics—III.

(Continued from Page 395.)

The dangerous zone of a collective fire is the beaten zone (about 100 yards on horizontal ground), plus the grazed zone of the bullets falling at the end of the beaten zone nearest the firer. This grazed zone is the distance over which the bullet remains under the height of the target above the ground on which the target stands.

If the beaten ground slopes upwards with reference to the line of sight, the extent of beaten and dangerous zones are diminished; but if the beaten ground slopes downwards with regard to the line of sight, the beaten and dangerous zones are greatly increased. For this latter reason the reserve troops of the defence should be kept well in rear of the firing line at the early stages of the fight, and close up to them at the latter stages, which is a favourable condition for the defence.

Further, it must never be forgotten that in collective firing, as in all kinds of firing, a careful watch must be made as to the effects of the fire, so as either to stop it if no effects are being produced, which only depresses the men and elates the enemy, or to correct the elevation used if necessary, for atmospheric conditions, the inclination of the line of sight, and the slope of the beaten ground, and for the unavoidable errors made in judging the range, all of which affect the fire and the proper elevation to be used.

On account of the longitudinal spread of the bullets in a collective fire, we must be very careful not to be misled in watching the strike of the bullets. We must remember that even though many of the bullets fall short yet the fire may be well directed. If either side is stationary, or if the ranges are rapidly decreasing from either side advancing, it is better for a fire to fall short of rather than over the target, for in the former case we get the benefit of ricocheting bullets, which are lost when the mass of the bullets pass over the target. If the ranges are rapidly increasing, oversight for the supposed ranges.

Use of Combined Sights.—Sometimes it is necessary to cover a greater zone than 100 yards with bullets. This is done by making half the men fire with an elevation for 50 yards under the supposed range, and the other half with an elevation for 50 yards over the supposed range. In this way a zone of 200 yards is covered with bullets. But at least a whole company should be used in this way so as to get a result as rapidly as possible, because prolonged firing ought always to be avoided when possible from the bad effect it has on the men in reducing their offensive spirit. A bold use of men and ammunition is always a good policy when once the fire is effective. But as such a use of combined elevations means a proportionately great consumption of valuable ammunition, it should only be used when there is ample ammunition, when the enemy offers a good target, when the range is not accurately known, when one side is in movement, and when the atmospheric influences and the slopes of the ground near the enemy are not favourable, and the strike of the bullets cannot be observed. Further, such a use of combined sights is only possible at the long and at the longer of the medium ranges while men are sufficiently under control for the purpose.

But in all cases it cannot be too strongly impressed on both officers and men that as the range increases (even when only one elevation is being used), the amount of ammunition expended has also to be greatly increased in order to get the same results in the same time, and if more than one elevation is used a proportionate amount of ammunition must be used.

The Question of Long Range Firing.—But much has been said for and against long range firing. No doubt long range firing has never produced any decisive results in war, though it may have produced excellent results in special cases. Victory is decided at the short ranges, but it is prepared for in the medium ranges. Hence these are the important ones. Long range firing to be effective requires a large consumption of ammunition and a prolonged concentration of fire. But this prolonged firing takes away from the offensive spirit of the men. But where there is ample ammunition, which can be easily replenished, and if the ranges are known or the effects of the fire can be observed, if the atmospheric condition and the slopes of the ground of reception are not too unfavourable, if the object fired at is of suitable dimensions especially as regards depth, and if the fire is executed by troops specially detailed for the purpose, there is no reason why the long ranging power of modern rifles may not be judiciously and cautiously indulged in as a

treat. But it should be stopped if, after some minutes, no results are observed from its use, and it should never be permitted without the consent of the senior officer within reach.

The Direction, Control, and Discipline of Fire.—We now come, perhaps, to the most important part of our subject—the direction of, the control of, and the discipline required for modern Infantry fire. The duty of directing the fire falls on the company leaders and officers senior to them; the duty of controlling the fire falls on the junior officers and the N.-C.-O's; the discipline required to enable this direction and control to be carried out rests with the men.

A good fire discipline is obtained when the soldiers will not fire until ordered, nor when in motion, when they will only fire at the object named and with the elevation ordered, and when they will cease firing when ordered. Simple as these requirements are, yet they can only be attained by a careful peace training.

The control of the firing consists in imparting to the men the orders given by the company and higher commanders, and in seeing that these orders are obeyed and even in enforcing their execution.

The direction of the fire consists in determining, at each moment of the fight—(1) the opening and the ceasing of the fire; (2) the amount of ammunition to be expended at each moment to attain the object in view, taking into account the available supply of ammunition and the facilities for replenishing it; (3) the number of men required in the firing line to expend this ammunition in the desired time; (4) the selection of the objects to be fired on, and their allotment to different portions of the firing line; (5) the range and elevation and number of elevations to be used; (6) the observation of the results of the fire; (7) the kind of fire to be used; (8) the rapidity of the fire; (9) the moments of advancing and halting; (10) the attitudes of the men during each halt; (11) the moment for fixing bayonets; and (12) the replenishing of the expended ammunition, etc.

Some of these points have already been touched on, and so I shall confine my remarks briefly to such points as have not already been referred to.

(1). With regard to the distances at which infantry fire may be opened in battle under normal conditions, the following may be said:—

(To be continued.)

Militia General Orders (No. 15) of 5th December, 1890.

No. 1.—STAFF.

Colonel Ivor John Caradoc Herbert, C.B., of Her Majesty's Regular Army, is appointed to the command of the Militia of the Dominion, with the rank of Major General in the Militia.

Major General Herbert having arrived at Headquarters assumes command from this date.

Lieutenant Eric Streatfeild, Gordon Highlanders, having been appointed Aide-de-Camp to Major General Herbert, C.B., commanding the Militia of the Dominion, assumes his duties from this date, with the rank of Captain in the Militia while so employed.

No. 2.—ROYAL MILITARY COLLEGE OF CANADA.

Board of Visitors.—President, Colonel W. Powell, Adjutant General. Members, Colonel Sir C. S. Gzowski, K.C.M.G., Honorary A.D.C. to the Queen; Lieut.-Colonel T. J. Duchesnay, Deputy Adjutant General, Military District No. 7; Lieut.-Col. Hon. G. A. Kirkpatrick, late 47th Battalion; Lieut.-Col. W. D. Otter, Deputy Adjutant General, Military District No. 2.

No. 3.—ACTIVE MILITIA.

WINNIPEG FIELD BATTERY.—2nd Lieut. R. McD. Thomson resigns.

YARMOUTH GARRISON ARTILLERY.—*Brevet.*—To be Major from 5th November, 1890: Capt. T. R. Jolly, Q.F.O.

GOVERNOR GENERAL'S FOOT GUARDS.—To be Lieut.-Col.: Major A. H. Todd, M.S., *vice* J. Tilton, placed upon the Special List.

To be Major: Captain and *Brevet* Major W. E. Hodgins, V.B., from the Adjutancy, *vice* A. H. Todd, promoted.

To be Adjutant, with rank of Captain: Lieut. C. F. Winter (late N.C.O. Royal Fusiliers), *vice* W. E. Hodgins, promoted.

To be Captain: Lieut. P. B. Taylor, R.S.I., *vice* Gerald H. Bate, who retires retaining rank.

To be Lieutenants: 2nd Lieut. S. C. D. Roper, R.S.I., *vice* G. R. White, who retires retaining rank.

2nd Lieut. D. A. Macpherson, R.S.I., *vice* C. F. Winter, appointed Adjutant.

2nd Lieut. E. E. F. Taylor, R.S.I., *vice* P. B. Taylor, promoted.

2nd Lieut. E. E. F. Taylor, R.S.I., is confirmed in his rank from 30th November, 1890.

10TH ROYAL GRENADIERS.—2nd Lieut. D'Arcy H. K. MacMahon, R.S.I., is confirmed in his rank from 30th November, 1890.

12TH YORK RANGERS.—2nd Lieut. A. Curran, R.S.I., No. 1 Company, is confirmed in his rank from 30th November, 1890.

2nd Lieut. W. C. V. Chadwick, R.S.I., No. 4 Company, is confirmed in his rank from 30th November, 1890.

14TH BN.—2nd Lieut. D. R. Dupuis, R.S.I., is confirmed in his rank from 30th November, 1890.

20TH BN.—2nd Lieut. W. McDonald, R.S.I., No. 1 Company, is confirmed in his rank from 30th November, 1890.

24TH KENT BN. OF INFANTRY.—No. 5 Company: To be Captain, Lieut. W. R. Hickey, R.S.I., vice W. N. Johnson, who retires retaining rank.

59TH BN.—No. 7 Company: To be Captain, Lieut. F. Trousdale, S.I., vice R. Morrison, who resigns.

No. 4.—CERTIFICATES GRANTED.

Rank, Name and Corps.	Class.	Course.	Grade.	Percentage of marks obtain'd.		
				Written.	Practical.	Aggregate Percentage
<i>Royal School of Cavalry.</i>						
Captain F. O. Burch, 2nd Regt.....	2	Sp	A	'44	'77	'67
<i>Royal Schools of Infantry.</i>						
Major H. McLaren, 13th Bn.....	1	Lg	A	'81	'82	'81
Obtained at R. M. College						'82
Special mention in Tactics and Administration and Law, and in Military Engineering.						
2nd Lieut. E. E. F. Taylor, G. G. F. G.	2	Sp	A	'58	'61	'59
do D'A. H. K. MacMahon, 10th Bn.....	2	S	A	'61	'64	'62
do A. Curran, 12th Bn.....	2	Sp	A	'69	'62	'65
do D. R. Dupuis, 14th Bn.....	2	S	A	'59	'66	'62
do W. McDonald, 20th Bn.....	2	Sp	A	'62	'56	'59
do W. C. V. Chadwick, 36th Bn.....	2	S	A	'75	'72	'73
Col. Sgt. W. R. Burwell, 12th Bn.....	1	S	B	'72	'77	'74
do J. Hanna, 36th Bn.....	2	S	B	'54	'62	'58
do T. Asselstine, 47th Bn.....	2	S	B	'65	'68	'66
Sergeant C Dunlop, 12th Bn.....	1	Lg	B	'70	'80	'85
do W. G. Randall, 12th Bn.....	1	S	B	'70	'74	'72
do R. Nicholson, 34th Bn.....	2	S	B	'53	'63	'58
do G. A. Hagan, 56th Bn.....	2	S	B	'50	'65	'57
do J. G. Mellor, 57th Bn.....	2	S	B	'60	'60	'60
Corporal G. H. Gustar, 34th Bn.....	2	S	B	'52	'63	'57
Lance Corp. J. Barr, "C" Co. I.S.C.....	2	S	B	'52	'63	'57
do J. Hollinger, do	2	S	B	'62	'82	'74
do H. Williams, do	2	S	B	'57	'57	'57
do H. VanLuven, 14th Bn.....	2	S	B	'56	'56	'56
Private W. Jones, 41st Bn.....	2	S	B	'53	'59	'56
do F. Baker, 56th Bn.....	2	S	B	'51	'60	'55

Correspondence.

THE PRACTICE RECORD.

EDITOR MILITIA GAZETTE,—I am an enthusiastic rifle shot, and if my success is not equal to my enthusiasm, my interest in everything and everybody connected with rifle shooting prompts me to say a few words which may amuse, if they do not perform any higher duty. I think we, the riflemen of this Dominion, do not fully appreciate the value of your little paper, whose columns are always open to ventilate the opinions, grievances and exploits of its readers. I find the letter column of very great interest and invariably open the paper immediately on receipt from the postman and look for an epistle from "Buckshot," "Breechblock," "Linch pin," or may be from the secretary of the League, and feel disappointed if my search proves fruitless, and correspondingly happy if some spicy, amusing or instructive letter is there from some of your talented correspondents. I presume there is a great diffidence in some who could write good letters. I myself am one of the most backward of men, always taking a great interest in things pertaining to shooting, as I have already said, but seldom venturing an opinion I now pluck up sufficient courage, though I feel a peculiar sinking at my vitals somewhere as I think of the tremendous assurance I must have in venturing to place my opinion before the editor and the critical readers of a public paper. The thought almost brings me to a full stop, but I mustn't do that, as I wish to refer to Buckshot's letter in this week's edition. Buckshot has a lively imagination and must have had a classical education, judging from his frequent references to ancient and modern heroes and other mythological gentlemen; his letters nevertheless are among the best in the paper. But I take exception to some of his remarks, particularly this one which refers to our genial friend Inman. He says, "no other man in Canada can visit the range so often and stay with it so long." My dear Buckshot, have you never heard of Pringle (there is only one Pringle) or Jack Davidson (ditto to him), men who would fire away the whole magazine on a Saturday afternoon, if Col. Otter did not lock the door and put double sentries on it, and if either of them won't do, what say you to the most inconceivably irrepressible individual in the world, Clarence Timothy Burns, of St. John, N.B.? Let others send in their champions, I challenge comparison.

SHORT STOCK.

Toronto, 6th Dec., 1890.

SNIDER & MARTINI RIFLES.

THE CELEBRATED TURNER AND WEBLEY MAKES.

Until further notice we will sell to Volunteers at the following prices:—

Martini Rifles, Webley make.....	\$30.50
Snider " " "	25.50
Martini Rifles, Turner make.....	31.50
Snider " " "	26.00

The above are perfectly new and thoroughly tested and guaranteed. They are a new consignment just received.

Your choice of fancy or plain stocks at these prices.

We can furnish TURNER SNIDERS with same barrel and action as above rifle, but with second class stocks, for \$21.00.

A full stock of Smith & Wesson 32/44 and 38/44 Target Revolver always on hand.

The CHARLES STARK CO., (Ltd.)

56, 58 & 60 CHURCH ST., TORONTO.

J. E. AUSTEN,

Military Outfitter and Tailor

228 YONGE ST., TORONTO.

SWORDS,
WATERPROOFS,
HELMETS,
BADGES,

ACCOUTREMENTS,
SWAGGER STICKS,
LACES, Etc.,
BRAIDS.

All kinds of MILITARY TAILORING done on the shortest notice and satisfaction guaranteed.

228 YONGE STREET, - - - TORONTO.

J. F. GREAN,

Civil and Military Tailor and Outfitter.

FALL AND WINTER STOCK NOW COMPLETE

Consisting of a Choice Selection of

OVERCOATINGS,
SUITINGS and
TROUSERINGS

From the London Warehouses.

Regulation Fur-Trimmed

GREATCOATS.

Fur Caps and Gauntlets of the finest quality.

Romain Buildings,

85 KING ST. WEST TORONTO.



The practice of wearing medals in mufti does not commend itself to the majority of those entitled to them. With a single war medal it is very possible it might be different. Officers in the French Army, *en bourgeois*, are quite content with the red ribbon of the Legion of Honour, cut down to the very narrowest strip. The truth is, the English war medal business is altogether overdone, and has become somewhat ridiculous. The Egyptian decorations, especially, have been carried to an absurdity. Suakin is not a pleasant quarter very possibly, but it can hardly be contended that a few months', or even weeks', service in that place deserve to be recorded by a medal with clasp, a bronze star, the Order of the Osmanlie, and the Order of the Medjidie, with the chance of a D.S.O. thrown in—*Broad Arrow*.

In England instructions have been issued for the formation of a Corps of Army Signallers as a First Class Army Reserve Corps, the men being selected from efficient members of the Post Office Rifle Volunteers, preference being given to those trained as telegraphists. They will be discharged from the Volunteer Corps on being enlisted into the Army, but will be attached to the Volunteer Corps as supernumeraries for drill and discipline. Enlistment into the Signalling Corps will be for six years, three with the colours and three with the Reserve, but the men will be transferred to the latter immediately on enlistment. While in the Reserve they will receive the ordinary pay of 4d. a day and 2d. deferred pay and if called up for active service will have the ordinary infantry pay and an extra working allowance, besides—having enlisted with the sanction of the Postmaster-General—retaining their full pay and position in the Post Office. The corps will consist of 124 officers and men in four companies, and all will have to qualify as efficient with the Post Office Rifles.



MILITARY,
POLICE AND FIRE BRIGADE
OUTFITTERS.

MONTREAL, - - CANADA.

THOS. MITCHELL,
Civil and Military Bootmaker,

170 Queen Street West, - - - Toronto

SEND \$6.00 FOR A PAIR OF OUR
WATER-TIGHT SHOOTING BOOTS,
Indispensable for 200 yds. Kneeling.

FITS Send at once for a FREE BOTTLE and a valuable Treatise. This remedy is a sure and radical cure and is perfectly harmless as no injurious drugs are used in its preparation. I will warrant it to cure **EPILEPSY OR FALLING SICKNESS**

In severe cases where other remedies have failed. My reason for sending a free bottle is: I want the medicine to be its own recommendation. It costs you nothing for a trial, and a radical cure is certain. Give Express and Post Office. Address: **CURED**

H. G. ROOT M. C., 186 West Adelaide St. Toronto, Ont.

I. C. FELL & CO.,
ENGRAVERS and DIE SINKERS.

Manufacturers of all kinds of
Rubber and Metal Stamps, Seals,
Stencils, Steel and Brass Type,
Soap Dies, Cattle Brands,
&c. &c., &c.

13 VICTORIA ST., - TORONTO.

The Prize Revolvers

All the first prizes and most of the others in the Revolver Matches at Ottawa, Toronto and Montreal this year were carried off by competitors who used the celebrated Target Revolvers supplied by

THORN & SANSON.
TORONTO.

The highest score ever made on the new Standard Target, viz., 44 points, was made with one of these revolvers, at the D. R. A. matches this season. Prices and full particulars promptly furnished upon application to **THORN & SANSON, Importers of Military**

Rifles, Revolvers and Shooting Requisites.

Prices right and all goods guaranteed.

MARTINI HENRY ✠

—AND—

✠ * **SNIDER RIFLES**

—ALSO—

VOLUNTEER SHOOTING REQUISITES.

Price List Sent Post Free. ADDRESS

R. McVITTIE,

66 Harbord St., Toronto, Ont.

GUNS Cheapest Place in Canada for GUNS, RIFLES and SPORTING GOODS of every Description. Second-hand Guns always in Stock, Includ- **MARTINI-HENRY RIFLES** At a Low ing some Good Figure.

TARGET REVOLVERS A SPECIALTY.

SEND FOR CATALOGUE.

R. A. MCCREADY,

378 Queen St. West,

TORONTO.

HAVE YOU SEEN OUR

NEW TERRA COTTA TILE

—FOR—

TOWERS, GABLES AND MANSARDS.

THE METALLIC ROOFING COMP'Y

OF CANADA, LIMITED.

TORONTO.

✉ Correspondence Solicited.

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Military and Civil Service Outfitters.

CONTRACTORS AND AGENTS,

126 and 127 Leadenhall Street, London, England

(ESTABLISHED SIXTY YEARS.)

UNIFORMS -:- FOR -:- ALL -:- SERVICES.

HELMETS, GLENGARRYS, NEW PATTERN GOLD LACE, ACCOUTREMENTS, BADGES, ETC OF BEST QUALITY AND MANUFACTURED AT STRICTLY MODERATE PRICES. Estimates, Drawing, Patterns, &c. free on application. References o all parts of the Dominion.

RONAN'S ORTHOPTIC Has come to stay, and it is now used by some of the best shots in Canada. And some of them say that they are the best Orthoptics they ever saw,

WHEN THEY COME TO THINK OF IT.

Why do you not order one at once, so that you may get away up in the prize list in the coming matches. It is the best thing that you can do,

WHEN YOU COME TO THINK OF IT.

have just invented a New Hanging Vernier and a New Wind Gauge which I will have on exhibition t the O. R. A. and D. R. A. matches. Price \$3.00 each. They will beat anything you ever saw. When you come to think of it, please address

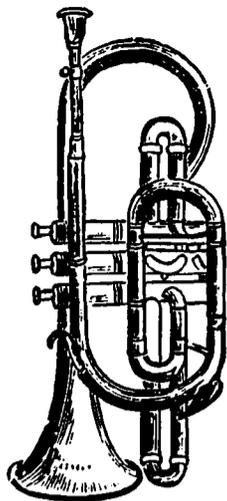
A. G. RONAN,

The Inventor, Patntee and Manufacturer of new, and nothing but new, Rifle Requisites.

390 1/2 Yonge St., Toronto.

CONSUMPTION SURELY CURED

TO THE EDITOR—Please inform your readers that I have a positive remedy for the above named disease. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy FREE to any of your readers who have consumption if they will send me their Post Office Address. Respectfully, **T. A. SLOCUM, M. C., 186 West Adelaide St., Toronto, Ont.**



Reed Instruments.

SPECIALTY.
The "Reliable" Material
for Clarionets, Flutes,
Oboes, &c. Cannot
warp or split.

"Prototype" Brass Instruments.

SPECIALTY.
Free blowing and extra strengthened
Instruments for Military Bands,
and Bands abroad.

String Instruments.

SPECIALTY.
The "Ruba" Violin.
Strings specially prepared
for use abroad.

F. BESSON & CO.,

SOLE MANUFACTURERS OF THE WORLD RENOWNED

Prototype Band Instruments

Over £50,000 in Prizes won by Bands using Besson's "Prototypes" in the United Kingdom and the Colonies within the last ten years. At the New Zealand and South Seas Exhibition Contest, Dunedin, the Band winning 1st prize, £100, had a complete set of Besson "Prototype" Instruments.

ADDRESS: 198 EUSTON ROAD, LONDON, ENG.



CITIZEN SOLDIERS AT HOME.

WHO EVER WANT A

HOT COFFEE IN A HURRY

SHOULD ALWAYS HAVE AT HAND A BOTTLE OF

LYMAN'S FLUID COFFEE.

Fine Flavoured, Wholesome.

A 25 CENT BOTTLE MAKES 25 CUPS.



ESTABLISHED 1868.

ESTABLISHED 1833

THOS. CLAXTON,

SOLE AGENT IN CANADA FOR COUSINON & Co. (AINE & CO.)

FIRST GOLD MEDAL

BAND INSTRUMENTS

IN BRASS AND WOOD, PARIS EXHIBITION, 1889.

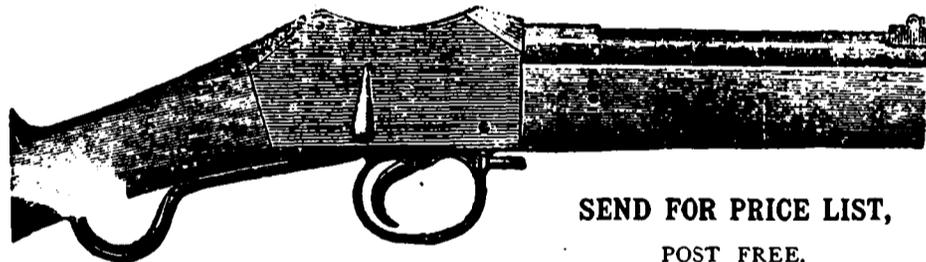
Notable among the Leading Bands using these Instruments is the Dan Godfrey's Grenadier Guards Band, which ranks as the best in the world. Thirty other medals and awards received by this Co., and they have the largest musical instrument manufactory in the world.

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W. J. JEFFERY & CO.,
RIFLE & RIFLE REQUISITES MANUFACTURERS,
60 Queen Victoria Street, London England.

MARTINI HENRY TARGET RIFLES.



SEND FOR PRICE LIST,
POST FREE.

GOVERNMENT VIEWED AND MARKED, AND WHICH MAY BE USED IN ANY COMPETITION OPEN TO THE MARTINI HENRY RIFLE.

No. 1.—Jeffery's Best Quality Martini Henry Rifle, with special Non-Fouling Barrel, Platina lined Back Sights and well Figured and Seasoned Walnut Stock, (£8.8.0) \$42.

No. 1 A.—Martini Henry Target Rifle with same quality Barrel as the No. 1 Rifle, and equally good shooting, but with plain quality stock and action (£6.10.0).

All our rifles are guaranteed to shoot straight and maintain the elevation.

Our rifles are used by the leading rifle shots in Great Britain and the Colonies. The best proof of their popularity is that about 60 per cent. of the total number of Target Rifles submitted for Government view at Enfield are of our make.

£1,500 CAPTAIN MORRISON (Sutherland Volunteers), using one of Jeffery's best quality Rifles, during the 1889 Wimbledon Meeting, won The Grand Aggregate, The Canadian Silver Shield, The Gold Cross and £25, The Volunteer Aggregate, and the 1,000 Guinea Hop Bitters Challenge Trophy, besides a number of smaller Money prizes, &c., including and in the Olympic.

What SERGT. W. DINGLEY, 1st V.B. Royal Fusiliers, and Member of the South London Rifle Club, says:—

"I am more than pleased with the new Barrel you fitted to my Rifle (best quality Barrel), and would not take double what I gave you for the same, as it shoots as true as possible in all weathers. I send you scores made with your rifle in the South London Rifle Club competitions, which will testify more than any words of mine can to the excellency of your weapon.

5 Best Scores for Volunteer Position	Aggregate	96	95	95	94	93
5 Best Scores for any Position		97	96	94	94	93
5 Best Scores at 500 yards, for Rifle presented by Messrs. Jeffery & Co.,		35	35	35	34	34
5 Best Scores at 600 yards, for Rifle presented by T. Turner, Esq.,		34	33	32	32	32

1st Prize for Highest Aggregate Score, in Three Selected Range Prize Competitions 200 500 600 yds 35 35 34—104

Gold Medal for winning Volunteer Position Tournament from Scratch; Bronze Medal for any Position Tournament (3rd place), starting Scratch, and Championship of the Club for Highest Aggregate in the Volunteer Position and any Position combined, viz., 947 for Ten Shoots. I also won the Queen's Badge, at Wimbledon, this year. I attribute my success to the splendid barrel you supplied me with.—October 25th, 1889.

SECOND HAND MARTINIS.—We have a lot of Martini Target Rifles in good condition which we have taken in exchange. Field Rifle Co's make, 40s. to 50s. each; Webley Barrel Martinis, 60s. to 80s; Turner Barrel Martinis, 80s. to 100s. each. Send for complete list of Shooting Requisites, post free.

SNIDER RIFLES—We have a large number of Snider Rifles with the barrels in perfect condition inside, by the following makers: T. TURNER, P. WEBLEY & SON FRASER & INGRAM, prices \$15 each. Also a few new Sniders of our own make, price \$20.

We deliver goods freight paid to any Station East of Winnipeg if the goods ordered are of the value of \$30.

See next week or last week's advertisement for Sight Elevators, etc.

Hamilton Powder Co.

(Incorporated 1861)

MANUFACTURE

MILITARY POWDER

of any required velocity, density or grain

SPORTING POWDER,

"Ducking," "Caribou," and other choice grades.

BLASTING POWDER

in every variety

DYNAMITE

And all other modern "High Explosives."

SOLE LICENSEES FOR

H. Julius Smith's Magneto-Battery,

The best for accurate Electric Firing of Shots, Blasts, Mines, Torpedoes, &c.

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For Insulated Wire, Electric Fuses, Safety Fuses, Detonators, &c.

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ARE YOU GOING CAMPING?

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PIKE THE TENT MAN,

A full supply of

TENTS, AWNINGS, SAILS, FLAGS, CORDAGE &c.

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157 KING ST. EAST, TORONTO.

Hoist and Wire Ropes Spliced.



North-West Mounted Police.

RECRUITS.

APPLICANTS must be between the ages of Twenty-two and Forty, active, able-bodied men of thoroughly sound constitution, and must produce certificates of exemplary character and sobriety.

They must understand the care and management of horses, and be able to ride well.

The minimum height is 5 feet 8 inches, the minimum chest measurement 35 inches, and the maximum weight 175 pounds.

The term of engagement is five years.

The rates of pay are as follows:—
Staff-Sergeants \$1.00 to \$1.50 per day
Other Non-Com. Officers... 85c. to 1.00 "

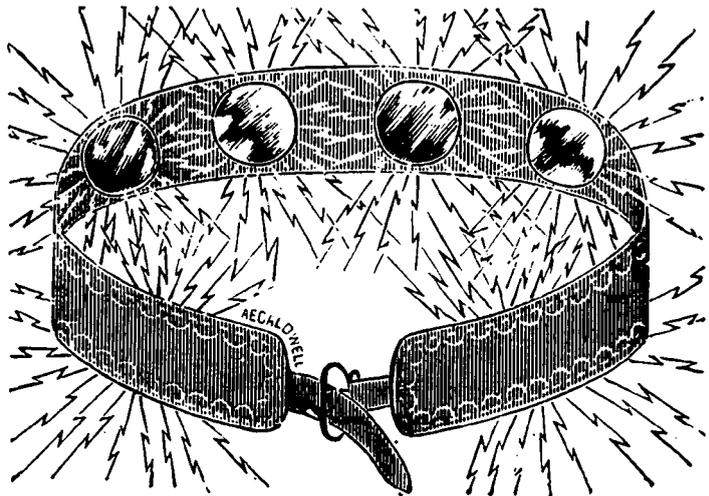
	Service pay.	Good conduct pay.	Total.
1st year's service,	50c.	—	50c. per day
2nd "	50	5c.	55 "
3rd "	50	10	60 "
4th "	50	15	65 "
5th "	50	20	70 "

Extra pay is allowed to a limited number of blacksmiths, carpenters and other artisans.

Members of the force are supplied with free rations, a free kit on joining and periodical issues during the term of service.

Applicants may be engaged at the Immigration office, Winnipeg, Manitoba; or at the Headquarters of the Force, Regina, N.W.T.

ELECTRICITY IS LIFE



THE ONLY Electrical Appliances

Having Absorbent Qualities.

REPUTATION ESTABLISHED

OVER 20,000 SOLD

A CERTAIN CURE WITHOUT MEDICINE

ALL DISEASES ARE CURED BY OUR MEDICATED ELECTRIC BELTS AND APPLIANCES

Which are brought directly into contact with the diseased parts; they act as perfect absorbents by destroying the germs of disease and removing all impurities from the body. Diseases are successfully treated by correspondence, as our goods can be applied at home.

ALL HOME REFERENCES. NO FOREIGN OR MANUFACTURED TESTIMONIALS.

Isaac Radford, 35 Adelaide street east—Buttery Belt and Insoles, cured him of Inflammatory Rheumatism in four weeks.
Samuel W. Abbott, Millichamp's Building, cured in six weeks. Rheumatism in knees and feet—Knee Pads and Insoles.
A. E. Caldwell, Engraver, 71 King street, City, Rheumatism in the knee cured.
J. McQuaig, Grain Merchant, cured of Rheumatism in the shoulder after all other failed.
Jas. Weeks, Parkdale, Sciatica and Lame Back cured in fifteen days.
W. J. Gould, Gurney's Stove Works, City, not able to work for three weeks, cured in four days—Sciatica.
Mrs. J. Swift, 87 Agnes street, City, cured of Sciatica in six weeks.
C. C. Rockwood, 16 Bulwer street, City, cured of Lame Back in a few days.
Mrs. Geo. Planner, City, Liver and Kidneys, now free from all pain, strong and happy.
Miss Flora McDonald, 21 Wilton avenue, City, reports a lump drawn from her wrist.
Josiah Fennell, 287 Queen street east, City, could not write a letter, went to work on the sixth day—Neuralgia.
Mrs. Wm. Bennett, 14 King street west, City, after years of sleeplessness now never loses a wink—Butterfly Belt.
Mrs. S. M. Whitehead, 578 Jarvis street, City, a sufferer for years, could not be induced to part with our Belt.
Mrs. F. Stevens, 140 Lisgar St., City. Blind with Rheumatic Inflammation—cured in three weeks by Actina, Butterfly Belt and Insoles.

Geo. H. Lucas, Veterinary Dentist, 168 King street west, had dyspepsia for six years, entirely cured in eight weeks—Butterfly Belt and Insoles.
Richard Hood, 40 Stewart street, City, used Actina three months for a permanent cure—Catarrh.
Alex. Rogers, Tobacconist, City, declared Actina worth \$100. Headache.
E. Riggs, 225 Adelaide street west, City, Catarrh cured by Actina.
John Thompson, Toronto Junction, cured of Tumor in the Eye in two weeks by Actina.
Miss E. M. Forsyth, 18 Brant street, City, reports a lump drawn from her hand, twelve years' standing.
Senator A. E. Botsford advises everybody to use Actina for Failing Eye-sight.
Miss Laura Grose, 106 King street west, City, Granulated Eyelids, cured in four weeks—used Actina and Belt.
Mrs. J. Stevens, 82 Tecumseth street, City. Rheumatism in the Eyelids, spent three weeks in the hospital, eyes opened in two days.
Mrs. M'Laughlin, 84 Centre street, City, a cripple from Rupture, now able to attend to her household duties.
Giles Williams, Ontario Coal Co., says Actina is invaluable for Bronchitis and Asthma.
J. H. McCarthy, Ag't N. P. & M. Ry., Almont, Man., Chronic Catarrh and Catarrhal Deafness for seven years, entirely cured by Actina.
THOMAS JOHNSON, New Sarum, suffered with Weak Lungs and Asthma—Lungs strengthened and Asthma cured.

Mrs. Beard, Barrie, Ont., cured of Catarrh of three years' standing—Actina and Insoles.
Rev. R. W. Mills, Brinston Corners, Ont., entirely well, had Catarrh very bad—used Actina and Insoles.
H. S. Fleetwood, a wreck mentally and physically. Cause, nightly emissions. Perfectly cured.
Thomas Guthrie, Argyle, Man., says our Butterfly Belt and Suspensory did him more good than all the medicine he paid for in twelve years.
Thos. Bryan, 541 Dundas street, City. Nervous Debility—improved from the first day until cured.
Chas. Cozens, P. M., Trowbridge, Ont., after five weeks, feels like his former self.
J. A. T., Ivy, cured of emissions in three weeks. Your Belt and Suspensory cured me of Impotency, writes J. A. I would not be without your Belt and Suspensory for \$50, writes J. McG. For General Debility your Belt and Suspensory are cheap at any price, says S. N. C. Belt and Suspensory gave H. S., of Fleetwood, a new lease of life. K. E. G. had no faith, but was entirely cured of Impotency.
W. T. Brown, 73 Richmond street west, City. Varicocele, tried several doctors; all advised the knife. Cured in six weeks with Butterfly Belt and Suspensory.
John Bromagem, Varicoceles, cured in five weeks—Butterfly Belt, Suspensory and Insoles.
Reuben Silverthorn, Teeterville, was almost a wreck. Entirely cured by the Belt and Suspensory.
 Many Such Letters on File.

ANY BELT Requiring Vinegar or Acid will Burn the Skin

All Electric Belt Companies in Canada use Vinegar or Acids in their Appliances excepting this Company.

Send for Illustrated "Health Journal" and List of Home Testimonials Free and Mention This Paper.

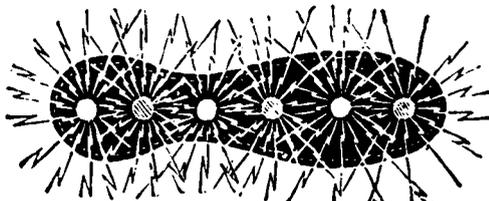


\$3. Given on 15 days trial

W. T. BAER & CO

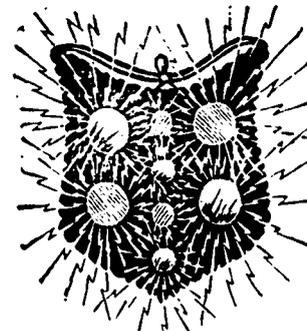
171 QUEEN ST. WEST, TORONTO.

CATARRH
IMPOSSIBLE
UNDER THE
INFLUENCE OF
ACTINA



Insoles, per pair, \$1.00

No Vinegar
or Acid
USED.



Lung Shield, \$4.00

BUTTERFLY BELT AND SUSPENSORY ONLY \$7.00