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As detailed in General Orders No. 8, of 10th May.

MILITIA GENERAL ORDERS.

Continuation of No. 7, of 3rd May, 1889.

MISCELLANEOUS.

Topics of the Week.

Later information to hand demonstrates that the intimation communicated to this paper a few weeks ago, respecting the honour conferred upon Lieut. Mackay, R.E., a Kingston College graduate now serving on the west coast of Africa, was not accurate. Instead of receiving merely the local rank of Captain (which he has possessed for some time) he has been appointed to the "Distinguished Service Order."

We have received from Mr. L. Homfray Irving, the gentleman who so often entertained our readers with his "Linchpin" letters, an explicit declaration that he was not the writer of the *Broad Arrow* letter which Sir Adolphe Caron ascribed to him in his speech in Parliament on Mr. Mulock's want of confidence motion. Mr. Irving says he has neither written nor inspired any letter whatever for any other than a Canadian paper. Such a disavowal is what the MILITIA GAZETTE expected would be forthcoming from Mr. Irving, to whom no one who knew him would have been apt to ascribe the letter in question.

A test of the range finder patented by Mr. Farquharson of Montreal, was made at Ottawa last week with exceedingly satisfactory results. Mr. Farquharson visited the Capital in company with Lt.-Col. Turnbull, of Montreal; and the test, made on Cartier Square and subsequently on the Rideau Rifle Range, was witnessed by General Sir Fred Middleton, Lt.-Col. Thos. Bacon, and others interested. The results obtained were precise, and the invention was commended for its simplicity as well as accuracy. Mr. Farquharson will submit it to the Imperial Government, in answer to their advertisement for an improved range finder, published last year. He has been working on it for seventeen or eighteen years, ever since his connection with a Scotch regiment.

The regulations to govern the annual drill for 1889 have been issued. Printed in full in this number, they speak for themselves. It will be noted there is but little change from the ordinary routine. Relating to the target practice, a commendable but trifling change is made in the prescription that a man must hit the target at each range before being allowed to fire from a longer distance. Though the usual paragraphs about the importance of rifle shooting appear, the ammunition allowance remains at the absurdly low issue of twenty rounds per man. We are sorry to see that again only one blanket per man is to be served out. For years mild protests have been made against the insufficiency of the night covering allowed the militia, but no change for the better results. In the meantime lives are endangered to save a few dollars in the blanket bill, and what is saved in blankets is lost in the destruction of uniforms by wearing them in sleeping as well as waking hours.

Regimental News.

The Montreal Garrison Artillery, in command of Lieut.-Col. Turnbull, paraded to St. Paul's church on Sunday afternoon. The chaplain, Rev. James Barclay, preached an appropriate sermon.

The following provisional promotions have been made in "F" Company of the Thirteenth Battalion, Hamilton: To be colour-sergeant from 13th Oct., 1886, Sergt. F. W. Grant; to be sergeant from 21st June, 1887, Corp. Charles Hamilton.

The Governor-General's Foot Guards had their annual parade to Christ Church, Ottawa, on Sunday. The new uniforms were worn, and the battalion made an exceptionally fine appearance. Lt.-Col. Tilton was in command. The sermon was preached by the Chaplain of the reggimento the Venerable Archdeacon Lauder.

An invitation has been received by Col. Felton of the 53rd Sherbrooke Battalion from the officers of the 54th Battalion at Richmond asking the officers and men of the 53rd to participate with them in the presentation of a set of colours on the 24th inst. The invitation is likely to be accepted as the 54th were at Sherbrooke when the ladies there presented the 53rd Battalion with their colours some twenty years ago.

Toronto.

Thousands of citizens, says the *Empire*, invaded the precincts of Queen's Park Sunday afternoon to witness the muster and march of the Royal Grenadiers to Grace church, where their annual sermon in commemoration of the battle of Batoche was preached by Rev. J. P. Lewis. General Sir Fred. Middleton honoured the occasion with his presence, and as the regiment filed down the avenue there was much pressing among the onlookers to get a view of the man who so gallantly led our volunteers to victory through the hardships and dangers of the rebellion.

Lt.-Col. Dawson was in command. The General arrived early on the ground, and watched the parade being formed. There was a splendid turnout. Every company was over the authorized strength. When the parade state were handed in it was found that 390 n. c. o. and men and 28 officers, a total of 418 of all ranks, were there—the largest turnout in the history of the regiment. Attached to the regiment was Capt. J. A. Macdonell, of the 59th, who turned out with Capt. Eliot. Lieut.-Col. Grasett was also present, but in plain clothes. The new white helmets were worn for the first time and became the men remarkably well, being of a specially neat design. The General and his A.D.C., Capt. Wise, accompanied Col. Dawson. Both bands were present and the two bandmasters were highly complimented on the music. The central portion of the church was fully occupied by the regiment, leaving only the side rows of pews to the civilians. The rector's text was admirably chosen for the occasion, consisting of the 12th, 13th and 14th verses of the 40th psalm. He, as rector of the parish, welcomed the regiment to the church, and he urged them not only to love their country as the place giving them sustenance, but also with that higher and purer love which constituted true patriotism.

After the sermon the Grenadiers marched in order to the drill shed where they performed a number of evolutions under the eye of the General. Before dismissing the regiment Lieut. Col. Dawson expressed the pleasure it gave him to be honoured by the presence of General Middleton, and he asked him to make a few remarks. The General said he always liked to visit Toronto because of early associations and because it was the headquarters of two regiments—the Queen's Own Rifles and the Royal Grenadiers—of which he was very proud. They had served with him in the Northwest and had acquitted themselves nobly. He was on more intimate terms with the Royal Grenadiers because they were immediately under his command during the entire rebellion. He was glad to meet so many old friends again, on such a pleasant occasion. They were very differently situated from what they were four years ago. Then there was the constant rattle of musketry and the booming of the big guns. Now they were at home among their fellow-citizens—much

admired, he was glad to say, by their female fellow-citizens. He always liked to turn out with the Grenadiers. He hoped he would have an opportunity of doing so again. If ever Canada became involved in war he knew he could depend upon them. He was more than pleased with the general appearance of the regiment on parade, but especially with the remarkably fine physique of the men.

NOTES.

"E" Company has followed the example of "A" and "G" companies and organized a rifle association. The new association has a prize fund of \$80.

The shooting season having now commenced the orderly officer of the week will attend the rifle practice on the Garrison Common every Saturday afternoon until further orders.

Sergt. Dent (late hospital sergeant) will act as sergeant instructor of musketry during the season of 1889 and during the absence in England of Sergeant Instructors Mitchell and Curzon, who proceed next month with the Wimbledon team. Sergt. Dent will be attached to "E" Co.

The Rifle.

The new rifle range of the Peterborough Rifle Association is nearly ready for the sharp shooters. A range 1,000 yards long and perfectly level has been laid out, and three targets, from 200 to 800 yards range, are being put up. The Association is going into the sport with enthusiasm and the practices will probably be more frequent than in former years. A ten-year lease of the ground has been secured.

ALLAN RIFLE ASSOCIATION.

This Association held their regular practice last Saturday afternoon with a good attendance of the members. The day was fine, and fairly good for shooting. The spoon was captured by Mr. Knifton, who knocked out Mr. Donnelly on the ground that he won the previous Saturday, the rule reading that a man cannot win twice in succession. As soon as all the members are able to turn out, which will be about the beginning of June, the Association will offer two spoons every Saturday. The practice was with Sniders, at 200, 400 and 500 yards:

G. M. Donnelly.....	28 29 25 82	J. K. B. Turner.....	25 27 15 67
John Knifton.....	28 29 24 81	Jas. Brash.....	24 19 23 66
W. H. Meadows.....	30 29 21 80	Geo. Lewis.....	28 19 18 65
T. Westman.....	30 24 21 75	J. M. Major.....	25 22 17 64
Wm. Harp.....	25 27 19 71	A. A. Dewdney....	29 11 21 61

OTTAWA RIFLE CLUB.

The fourth spoon competition of the Ottawa Rifle Club's season was held on Saturday afternoon. Martinis were the weapons used, and the ranges were 200, 500 and 600 yards. Though the day was a fine one, the scores were small, only six of the competitors reaching the eighties. There was a keen contest for the first spoon, Messrs. Carroll and Rogers tying with 90 points each. In shooting off the tie, Carroll scored 5, 5, 2, or 12 points in three shots, and Rogers, 3, 2, 5, total 10 points. The spoon in the second class was taken by Mr. Ellis, and that in the third by Mr. Scott, who having won three spoons now joins the second class. The leading scores were:

T. Carroll (sp. 1st cls.).....	31 28 31 90	Lieut. E. D. Sutherland..	28 27 19 74
Capt. S. M. Rogers.....	31 30 29 90	S. Short.....	23 25 25 73
J. H. Ellis (sp. 2nd).....	27 32 27 86	R. Stewart.....	29 22 21 72
Dr. Geo. Hutchison.....	28 28 27 83	Lt.-Col. W. P. Anderson.	29 24 19 72
Capt. C. F. Cox.....	20 26 25 81	T. C. Boville.....	28 22 21 71
F. W. Smith.....	33 22 25 80	J. E. Hutcheson.....	29 14 27 70
M. Rolfe.....	28 21 29 78	L. Gooding.....	27 20 22 69
W. A. Jamieson.....	26 27 25 78	H. L. Ross.....	29 22 16 67
J. P. Nutting.....	26 31 21 78	C. C. Chipman.....	29 24 14 67
C. S. Scott (sp. 3rd cls.)....	27 23 25 75	T. McJanet.....	30 17 18 65
Major J. Wright.....	29 18 27 74		

BOWMANVILLE RIFLE ASSOCIATION.

The following scores were made by the Bowmanville Rifle Association last Saturday afternoon at 200, 500 and 600 yards, Martini-Henry rifles being used:—

Russell.....	31 33 30 94	Beach.....	28 28 23 79
Mitchell.....	31 29 30 90	Windatt.....	30 28 20 78
King.....	27 31 26 84	Morris.....	31 30 15 76
Horsey.....	28 30 26 84	Curtis.....	28 21 23 72
Young.....	27 27 27 81		

MONTREAL RIFLE ASSOCIATION.

The riflemen having fitted up seven or eight targets at their own expense are now able to practise on the new range at Cote St. Luc. On Saturday last the Montreal Rifle Association held its first monthly match for the season. Martini-Henrys were used at 200, 500 and 600 yards, and the leading scores were:

M. Pope (ladle).....	29 33 32 94	John Hood.....	30 28 26 84
K. Mathews (table sp.)....	31 28 27 86	A. Thompson.....	26 28 27 81
J. W. Marks (dessert sp.)...	31 28 26 85	J. Riddell.....	22 30 26 78
E. Desbarats (teaspoon)...	28 32 25 85	J. W. Wynne.....	29 30 19 78

On the previous Saturday the same association had a competition to decide possession of the affiliation medals of last year. They fired five shots with the Snider at 200, 500 and 600 yards, with the result that the medals went as follows: J. W. Wynne, N. R. A. medal, 60; J. W. Marks, D. R. A. medal, 59; George Cooke, P. Q. R. A. badge, 56. The next in order were: M. Pope, 56; J. McMartin, 55; J. Bell, 55; C. M. Riddle, 53; D. M. McCrae, 53; Capt. Busted, 52. The first five won the spoons subscribed for by that day's competitors.

THE ANNUAL DRILL.

As Detailed in Militia General Orders (No. 8) of 10th May—The Arrangements for Camp.

NO. 1.—REGULATIONS FOR THE ANNUAL DRILL OF 1889-90.

Corps of Infantry and Garrison Artillery are not to exceed 42 non-commissioned officers and men per company and battery, including regimental staff sergeants and bandsmen.

Field Batteries—1 Major, 1 Captain, 1 Lieutenant, 1 2nd Lieutenant, 1 Surgeon, 1 Veterinary Surgeon, 1 Sergeant Major, 1 Quarter Master Sergeant, 4 Sergeants, 4 Corporals, 4 Bombardiers, 1 Trumpeter, 1 Farrier, 58 Gunners and Drivers and 29 horses, including the Officers' and Non-Commissioned Officers' horses.

City and Rural Corps.

2. The maximum number of officers, non-commissioned officers and men to receive pay for drill in each district, will be:

Military District Number 1....	2,420	Military District Number 8....	1,304
" " " 2....	3,442	" " " 9....	1,932
" " " 3....	1,858	" " " 10....	431
" " " 4....	1,135	" " " 11....	230
" " " 5....	2,712	" " " 12....	327
" " " 6....	1,287		
" " " 7....	2,147		19,225

The strength of corps authorized to drill at their local headquarters in each district is to be deducted from the total strength authorized for drill in the district; the remainder will represent the number which may be concentrated in a camp of exercise.

A Company, Infantry School Corps, will join the camp in New Brunswick, B Company the camp in District No. 5, C Company the camp at Niagara, Ont., and a 2-gun detachment from A Battery will join the camp in Districts 3 and 4. As these are paid as permanent corps they will be in addition to the strength authorized for Districts 2, 3, 4, 5 and 8, but will not be included for drill pay.

City Corps.

3. City Corps (excepting field batteries of artillery, and such companies as belong to rural battalions of infantry) may be permitted to perform twelve days of annual drill at their local headquarters at such times, prior to 1st December, 1889, as may be most convenient.

The New Brunswick Brigade and Nos. 1 and 2 Batteries, Levis Garrison Artillery, are for purposes of drill to be counted as city corps.

Any city company which forms part of a rural battalion, can only be permitted to drill for pay, in case it is selected for and performs such drill in camp with the battalion to which it belongs.

Rural Corps.

4. Selections to be made from rural corps of the different arms in each district in proportion as their strength bears towards each other. Those not drawn for drill last year to be first taken.

The corps so selected in each of the Districts, numbered 1, 2, 3, 4, 5, 6, 7, 8 and 9 (excluding isolated companies of infantry and garrison batteries of artillery, but including all field batteries of artillery not otherwise excepted), are to be concentrated for twelve days drill in a camp of exercise, including the day going to and the day returning from camp.

Isolated rural companies of infantry or engineers, or garrison batteries of artillery, selected for annual drill for 1889-90, may be permitted to perform the same at their respective headquarters on the same conditions as apply to city corps.

City and Rural Corps.

The Sydney, Newcastle, Winnipeg and Montreal Field Batteries are to drill in camp near their local headquarters under the regulations for corps in camp of exercise, except that they will be paid 25 cents per officer and man, and 35 cents per horse, per diem, to cover cost of transport, rations, forage, fuel for cooking and allowance for camp kettles.

The 1st Brigade Field Artillery will join the Brigade camp in No. 2 District. The strength of these two batteries will be included in the quotas of the district to which they belong.

Excepting the Winnipeg Field Battery the corps drawn for drill in Districts numbered 10, 11 and 12 are to perform the period of drill at their local headquarters under the same regulations as apply to city corps.

If preferred, the corps authorized for drill in District 12 may assemble in one camp under the same regulations, as to subsistence, etc., as apply to field batteries in the preceding paragraph. In this case a supply officer will not be allowed. The staff will consist of the Deputy Adjutant General and Brigade Major.

The Deputy Adjutant General of each district will notify the commanding officer of each corps detailed for drill, as well as those which cannot be paid, and send a return to headquarters of the corps warned, and of those which cannot be paid; also a detail of the steps he has taken to make the selections.

The corps not selected, and which cannot be paid, are hereby relieved from the performance of drill during the year 1889-90.

Command and Staff.

The following will be the staff of each camp of exercise:

In command, unless otherwise order, the Deputy Adjutant General of the District; *Staff*, 1 Brigade Major, 1 Supply Officer, 1 Camp Quartermaster, 1 Instructor of Musketry, 1 Principal Medical Officer, 5 staff non-commissioned officers, and when the strength of the camp exceeds 1,500, 1 Orderly officer.

When there are more than four battalions of infantry present they should be occasionally divided, for drill purposes only, into two brigades, and two officers, not necessarily the senior, selected to command them for practice.

In camps where two or more batteries are present the officer in command of camp will arrange for them to be brigaded and trained together under the senior artillery officer, until fit to be worked with the other branches of the service.

The five batteries of artillery at the camp of exercise at Niagara will be brigaded under the command of the Inspector of Artillery. *Staff*—One Brigade Major and three n. c. officers. And the four batteries and the 2-gun detachment artillery at the camp of exercise in Districts 3 and 4 will be brigaded under the Assistant Inspector of Artillery with a similar staff.

All the temporary staff should, if possible having efficiency in view, be selected from among the officers of the corps in camp, thus giving some officers opportunities of learning staff duties, and some of learning the duties of the rank above them.

The neatness and appearance of the men are to be looked to. Caps and helmets are to be worn properly. Lost buttons and hooks carefully replaced.

Chin straps are invariably to be down on parade or on duty.

Camps.

The dates for the several camps of exercise will be as follows:

District 1	.....	18th June.
" 2, at Niagara	.....	11th "
" 3 and 4	.....	18th "
" 5	.....	25th "
" 6	.....	25th "
" 7	.....	2nd July.
" 8	.....	25th June.
" 9	.....	3rd September.

In making the selection of a site the qualifications for camping and moving troops, and the convenience for rifle shooting, should be first considered; and then the position, as regards convenience for the assembly of the different corps.

Each camp must have a rifle range and appliances for target practice.

The principal care will be paid, 1st, to instruction in rifle practice. 2nd. To instruction of officers and men in drill in extended order for skirmishing as well as for attack formation. Little or no time will be given to marching past, which is purely a parade movement, and should be practised and learned before or after the assembly of the camp.

No officer or man will be allowed to live or sleep out of camp, except by permission of the officer commanding the camp (who should invariably live in camp himself), which should only be granted as special case.

Only one Union Jack will be flown in a camp, and that in front of the tent of the officer commanding, which should be hoisted at sunrise and struck at sunset. Regiments may use red bannerols with their number or badge thereon—the commanding officer having a large bannerole in front of his tent.

The wives, female friends, or children of officers or men are not to be lodged within the lines of any camp of instruction.

Commanding officers are to devote particular care towards teaching their men the new infantry drill, and marching past and review exercises are not to receive attention to the detriment of the other more useful and practical exercises, and, when practicable, instead of a review and march past, on inspection days the practice of route marching, advance and rear guards, etc., will be found more advantageous.

Transport.

The regulations relating to transport are to be followed to the extent they apply to services connected with camps of exercise.

The Deputy Adjutant General in each district will specify the routes by which corps must proceed in going to and returning from camp.

Requisitions for transport by railroad or steamboat will be issued by the Deputy Adjutant General of the district, who will also check as to rates and numbers claimed for, all accounts for transport service.

Except as otherwise provided, only officers and men *bona fide* proceeding to perform drill in camp are to be allowed transport.

Troops of cavalry whose local headquarters are within 25 miles, and all companies of infantry whose headquarters are within six miles of the place of encampment, are to march to camp.

Field batteries will march to camp if the distance is not more than six miles. If more than six but under 25 miles an allowance in money at the rate of four cents per mile will issue for such of the men as cannot be carried on the horses, gun carriages and limbers of the battery.

All corps whose headquarters are within six miles of the railway station or steamboat wharf from which they are to receive transport will march to that railway station or steamboat wharf.

Companies of infantry whose headquarters are more than 6 miles from the railway station or steamboat wharf from which they are to receive transport will be allowed six cents per officer and four cents per man, per mile, for the number of miles necessarily travelled by ordinary waggon road going to and returning from that station or wharf.

A similar allowance will be paid to companies whose headquarters are more than six miles from the place of encampment, and from whence no railway or steamboat can be made available for transport over any portion of the journey.

Subsistence.

Deputy Adjutants Generals of District will advertise for tenders for which authority has been obtained, and carry out the provisions relating to *Tenders*, Regulations and Orders, 1887. The *tenders* are required in duplicate, addressed to the Minister of Militia.

Rations.

As the issue of rations in camp will not commence until the morning of the second day, corps proceeding to join will be required to provide one day's cooked rations and one day's forage. Twenty-five cents per officer and man and thirty-five cents per horse will be issued in money in lieu of rations for the first days of camp.

The Deputy Adjutant General of this District may, if he prefers, issue a half ration of food and forage on the first and last day of camp instead of one full ration on the last day.

In addition to his ordinary equipment each officer and man must supply himself with and take to camp one knife, fork and spoon, one tin plate and one tin drinking cup. Each company must provide one butcher's knife, one meat fork, one shovel and one axe. Each battalion must provide camp kettles and necessary cooking utensils.

The supply officer is to be guided by the Regulations and Orders, 1887, in respect to all receipts and issues. Sub-sections 2, 3 and 4 of paragraph 617 are not to apply to camps of exercise.

Fuel for cooking will be issued on the scale laid down in paragraph 649 of Regulations and Orders, 1887; and an allowance at the rate of six dollars per troop and company, and ten dollars per field battery of artillery will be paid to each corps to enable them to provide camp kettles, if such have not been supplied by the public.

The arrangements for cooking are to be the same as for actual service—cooking stoves are therefore not to be taken to camp by any corps at the public expense.

The supply officer will be allowed one day after closing of camp to arrange for delivery of supplies from contractors and for closing his accounts. He should, however, so systematize his work in camp as to insure his having all vouchers and accounts for each day properly filed and completed during that day.

Tents and Blankets.

Necessary tents, and one blanket per officer and man, for camps in June; and two blankets per officer and man in camps in September, will be supplied on application of each commanding officer, under the provisions of paragraphs 743 to 753 of the Regulations and Orders, 1888.

The camp quartermaster will be allowed one day before opening and one day after closing of camp, to arrange for issue of, and to receive over, and return camp equipment to store and close his accounts.

The quartermaster may proceed one day in advance of his corps, in order to make necessary arrangements for the encampment of his corps under instructions from the Deputy Adjutant General of the District. He will also, if required, remain one day for duty after the camp breaks up.

If the weather is unfavourable and tents wet when camp breaks up, the Deputy Adjutant General of the District will use his discretion in giving orders for the protection of the public interests in respect to the articles to be returned to store.

Medical Regulations.

A medical inspection of every officer, non-commissioned officer and man is to be made, if possible, *before* the men leave the corps' headquarters; when that is not possible, then the medical examination must be made immediately after the corps goes into camp, and a full report relating to each man shall be made in a written return to the commanding officer.

This inspection is with a view of ascertaining, 1st, whether the man is labouring under disease of any kind at that time, such as rheumatic affections, diseases of lungs or heart, or of any of the viscera of the abdomen, or under any form of the syphilitic disease, or is short-sighted, or has any disease or injury of any of the joints, or badly shaped feet or overlapping toes which would prevent his marching; 2nd, if the man has any predisposition to any of the above diseases, or has recently suffered from any of them, or if he has any other disqualification which may render him unfit for service or predispose him to become inefficient from exposure.

Such men, if any be found, are not to be permitted to go to or remain in camp, as well for their own sakes as to prevent claims for compensation being made upon the public on account of illness on the part of men who are not fit for service.

The senior medical officer belonging to the corps in camp will be principal medical officer. He will establish one hospital for the camp, where patients will be attended to by the medical officers of their respective corps. Such medical officers will be supplied with medicines, etc., by the principal medical officer from the box of medicines issued to him for the purposes of the camp.

The surgeon of each battalion and field battery will make out a sick report every morning, and transmit a copy to the principal medical officer, who will keep an admission and discharge book of all cases taken into hospital, according to Form B (No. 283).

Each principal medical officer will give a receipt for all articles of medical equipment which may be issued to him for the use of the brigade, for the care and proper expenditure of which he will be responsible; and on being relieved from duty he will return all medical stores, articles of equipment and medicines remaining unexpended into the District Stores, with a list of the articles which have been expended by him, on complying with which his receipt will be returned to him.

Such wine or spirituous liquor as may be prescribed for use in case of illness must, if procured, be paid for by the person requiring the same.

No expense to be incurred by medical officers on account of Government without previous authority for such being obtained.

Casualties.

In any case of serious illness or accident the principal medical officer shall, in conjunction with the commanding officer of the camp, make such immediate arrangements as may be necessary, sending the patient, if possible, at once to his home or the nearest hospital. A minute report to headquarters of all circumstances connected with the case will be made.

Ammunition.

Each field battery of artillery will be allowed 100 rounds, and each garrison battery 20 rounds of blank ammunition, for exercise and practice.

Ammunition previously issued for exercise and practice, and not expended by the corps, to be deducted from the number of rounds authorized to be issued this year.

CORPS ARMED WITH RIFLES.

Attention is to be paid to the cleaning of arms and appointments while in camp.

Twenty rounds of ball and 20 rounds of blank ammunition for practice, under the provisions of paragraphs 437 to 446 inclusive of the R. and O. 1887, will be allowed to each man authorized to drill.

Target Practice.

Too much care cannot be devoted to musketry instruction. It must be carried out in every camp.

Target practice affords proof of the attention bestowed on position drill and aiming drill. Company officers are reminded that the former of these drills can be carried out with advantage during the first morning parade daily, and by individual men when lying down "at ease."

Each man must expend, under supervision of the musketry instructor and senior company officer present the number of rounds of ball ammunition authorized for that purpose, and no man is to use more than his share of the Government allowance, viz., 20 rounds.

In carrying out target practice, every man will fire 5 rounds at 100 yards, and 5 rounds at 200 yards, standing; 5 rounds at 300 yards, kneeling; and 5 rounds at 400 yards, any military position.

When the system of target arrangement will admit of it any man who fails to make 4 points at any distance to continue firing at that distance until he succeeds in making the required number of points, when he will be allowed to fire at the next distance, and so on.

"Standing," "kneeling" and "lying down," as defined in the position drill, are the recognized military positions.

At the conclusion of the individual firing a classification is to be made, when those who have obtained 40 points will be classed as first-class shots; those obtaining 30, but failing to obtain 40, as second class shots; and those failing to obtain 30, as third class shots. At 100 and 200 and 300 yards the targets shall be 4 feet wide, having a bull's eye 1 foot diameter, centre 3 feet diameter, outer remainder of target. At 400 yards, target 6 feet wide, bull's eye 2 feet diameter, centre 4 feet diameter, outer remainder of target.

Value of Points.

Outer, black disc or flag, 2; centre, black and white disc or flag, 3; bull's eye, white disc or flag, 4. The signal for danger or cease firing is in all cases to be a red flag; on no account is a shot to be fired when the danger flag is up at the marker's butt.

No man is ever to load until all is clear for him to fire, and if it becomes necessary for any purpose to cease firing, any man whose rifle is loaded will at once unload, remaining unloaded until the order is given to resume the practice.

EXAMINATIONS.

During the drills the commanding officer of the camp will test the qualification of the officers of each corps for the performance of their several duties—company officers in the drill of their company or battery, and field officers and adjutants in the drill of their battery, battalion or brigade as the case may be. The respective officers to be called out separately, to give words of command, and explain the nature of required movements.

A confidential report is to be made for headquarters by the commanding officer of the camp, in which his opinion as to the qualification of each officer, and the test to which he has been subjected is to be clearly stated.

The printed questions already issued by the Inspector of Artillery will be used by that officer at the inspection of artillery corps.

INSPECTIONS.

Deputy Adjutants General are directed to forward a statement to headquarters, showing the dates on which corps in their respective districts will complete drill and be ready for inspection.

The inspection of all corps on completion of drill are to be made in the field during the day time, with the exception of brigades of garrison artillery, which may be made at such time and place as may be found most convenient. This inspection should coincide with the annual inspection and muster of the corps by the district staff.

At inspections great stress is to be laid on the clearliness of arms, the correct fitting of accoutrements, and the manner in which guards and sentries perform their duties, and as regards the knowledge of their men as well as of their company drill, by company officers and non-commissioned officers.

Cleanliness of all parts of the camp and its neighbourhood must be attended to, and reported on by inspecting officers.

Before the men are dismissed, the names on the service roll are to be called in presence of the inspecting officer, who, before certifying to the pay list must compare such names with those on the pay-list and see that each person for whom pay is claimed is vouched for as entitled to receive it.

PAY.

City and other corps, which drill under the regulations for city corps, will receive the net pay of their respective ranks.

The commanding officers of each camp will be allowed five dollars, and each other officer on the authorized strength of the staff of a camp of exercise will be allowed two dollars and fifty cents per diem in camp in lieu of subsistence, together with free forage and one dollar per diem for one horse if a horse is required and used by him in the discharge of his duties as a mounted officer.

Each non-commissioned officer on the authorized strength of the staff of a camp of exercise will be paid an allowance of fifty cents per diem in addition to pay of rank, in lieu of rations.

The officers, non-commissioned officers and men of such corps as drill in camps of exercise will be paid for each day's drill the net pay of their respective ranks as laid down in paragraphs 865 and 866 of the Regulations and Orders for 1887. For horses of mounted officers and corps one dollar per diem, in addition to free rations (for officers, non-

commissioned officers and men) and free forage (for horses). If straw is not required its equivalent in value of either hay or oats may be issued instead if required.

Such quartermasters of battalions as proceed to camp one day in advance of their corps will be paid an allowance of one dollar per diem, in addition to pay of rank, for that day and the first day of encampment, also a similar allowance for any day or days any of them remain after camp breaks up for duty under order of the Deputy Adjutant General of the district. Neither rations nor any other allowance in lieu will be issued for those days.

Troops of cavalry are restricted to 35 horses each for pay.

No mounted officer shall receive pay for more than one horse, actually used by him.

The pay for horses shall cover any expenses incurred for shoeing while at drill.

Neither pay, allowances or rations are to be issued to or for any officer or man for any day or days he is absent from camp.

Pay will not be issued to any battery of garrison artillery or company of engineers or infantry unless not less than 2 officers and 32 men belonging to the corps have performed the days of annual drill under these regulations.

Before any corps receives pay, the commanding officer shall be required to certify in his own hand-writing, at the end of the pay-list of his corps, that each officer, non-commissioned officer and man for whom pay is demanded, was *actually present* with his corps and performed the number of days of drill for 1889-90 specified opposite his name.

The attention of staff officers, commanding officers of all arms and captains of troops, batteries and companies is specially called to the form of certificate they are required to append in writing at the foot of pay lists. They will be held responsible by the Department that these pay lists are correct; they must therefore see that the number of days' drill entered thereon opposite the names of officers, non-commissioned officers and men are only for such days drill as each such officer, non-commissioned officer and man has actually performed with his corps during the year for which payment is demanded. If any person performs less than the authorized number of drills, with his corps, he is only to be paid for the actual number of days' drill he has performed in such manner.

REPORTS.

In his annual report, the inspecting officer is to specify that he has complied with the provisions of this order.

In order that a full report may be made for Parliament, relating to the drill and training for the fiscal year 1889-90, all drill for which payment will be made must be completed before the first day of December, 1889, and the reports of Deputy Adjutants General of Districts must be transmitted to headquarters *not later* than the 5th of that month.

The Inspector of Artillery will arrange for a continuous tour of inspection in the Maritime Provinces. Batteries of artillery in these provinces will complete their drill prior to the 3rd September.

A Russian paper states that "the Minister of Ways of Communion will shortly examine, in conjunction with the Minister of Domains and of Finance, a project for rendering navigable the principal rivers of Siberia."

There is a good prospect that in the near future the Pacific Coast will have a large gun foundry. The matter has received the attention of a number of California and other slope capitalists, and the necessary money to establish the enterprise is ready. The Union Iron Works of San Francisco, which has the contract for the construction of the cruisers *Charleston* and *San Francisco*, and also the new coast defence vessel, has successfully demonstrated the ability of the coast to construct the largest ships in the world. What is now contemplated is the establishment of a large gun foundry, where the forgings for the heaviest class of ordnance can be made. Those interested in the new venture are Senators Stanford and Jones, of Nevada, C. P. Huntington, Representative Morrow, Mr. Irving M. Scott and others. They have been for months maturing plans for the carrying out of their scheme. Representative Morrow has given the subject his closest attention and has made numerous trips to the Midvale, Bethlehem, and South Boston Works for the purpose of observing their methods. The naval gun foundry in Washington has also been of greater benefit to him, and the facilities used, while in themselves first class, he considers in some respects open to improvements. The Bethlehem Steel works is the only establishment in United States where steel forgings for these heavy guns can be produced. Something similar to these works will be started in a very short time on the Pacific Coast. It is claimed by the advocates of the measure that the iron ore obtained in Calaveras County, California, is fully as good as that obtained in the East. One of the projects of the enterprise is to send Mr. Irving M. Scott abroad for the purpose of visiting the principal steel works of Europe, so as to get the latest ideas on the subject before the plant is started.

Militia General Orders (No. 7) of 3rd May, 1889.

[Continued from Page 158.]

No. 8.—CERTIFICATES GRANTED.

Rank, Name and Corps.	Class.	Course.	Grade.	Percentage of marks obtained		
				Written.	Practical.	Aggregate Percentage.
<i>Royal School of Cavalry.</i>						
Capt. H. S. Greenwood, 4th Cavalry.....	1	S	A	96	82	86
Capt. W. W. Brown, 3rd Cavalry.....	1	S	A	96	87	89
2nd Lieut. D'Arcy E. Strickland, 3rd Cavalry.....	2	S	A	77	79	78
2nd Lieut. Wm. E. Barr, 6th Cavalry.....	2	S	A	59	64	62
Sergt. S. Z. Long, 8th Regt. of Cavalry.....	2	S	B	65	68	67
Sergt. George Fraser, 2nd Regt. of Cavalry.....	2	S	B	64	65	64
Corpl. Stephen Knight, 4th Cavalry.....	2	S	B	60	67	66
Private S. A. D. Keirstead, 8th Cavalry.....	2	S	B	58	62	61
Private John Sloan, Gov.-Gen's B. Gd.....	2	S	B	44	69	62
<i>Royal Schools of Artillery.</i>						
Sergt. A. Thompson, Durham Field Battery.....	1	S	B	93	93	93
Sergt. W. A. Wilmot, Kingston Field Battery.....	1	S	B	79	88	84
Sergt. E. Roche, Toronto Field Battery.....	1	S	B	95	89	91
Corpl. J. W. Gilchrist, "A" Battery, 1st Bde. Field Artillery.....	1	S	B	85	78	81
Corpl. W. D. Sallows, "A" Battery, 1st B. F. A.....	2	S	B	57	55	55
Corpl. J. Coburn, "B" Battery, 1st B. F. A.....	1	S	B	94	77	83
Corpl. H. W. Mix, Ottawa Field Battery.....	1	S	B	93	88	90
Corpl. J. R. Thompson, Ottawa Field Battery.....	1	S	B	87	86	86.5
Bombdr. T. Morgan, Durham Field Battery.....	1	S	B	83	75	78
Bombdr. J. J. Lord, Durham Field Battery.....	1	S	B	87	77	80
Bombdr. J. DeFoe, Durham Field Battery.....	2	S	B	76	60	66
Bombdr. H. J. Goodman, Hamilton Field Battery.....	1	S	B	93	75	82
Gunner J. C. Black, "A" Battery, 1st B. F. A.....	2	S	B	48	56	53
Gunner A. Jones, Durham Field Battery.....	1	S	B	68	75	72
Gunner R. Camp, Hamilton Field Battery.....	1	S	B	73	68	70
Gunner H. Rogers, do do.....	1	S	B	84	71	76
Gunner T. Hilliard, do do.....	2	S	B	67	66	65
Gunner W. S. Johnston, Toronto Field Battery.....	2	S	B	68	63	65
Gunner J. H. Thompson, do do.....	2	S	B	52	73	65
<i>Royal Schools of Infantry.</i>						
Major C. W. Hill, 94th Bn.....	1	Sp		83	75	79
Capt. Wm. McSpadden, 12th Bn.....	1	S	A	73	72	72½
Capt. E. B. Worthington, 53rd Bn.....	1	S	A	87	84	86
Capt. J. Sidney Smith, 96th do.....	1	S	A	78	75	76½
Capt. James L. Cowan, 29th do.....	1	Sp	A	73½	67	70
Capt. William Monro, 44th do.....	2	S	A	70	63	66½
Capt. William H. Ptolemy, 77th do.....	1	Sp	A	78	75½	76½
Lieut. W. R. Stevens, 54th do.....	1	S	A	69	75	72
Lieut. H. Beaudreau, 76th do.....	2	S	A	41	75	57
Lieut. N. A. Maranda, 84th do.....	2	S	A	42	65	53
Lieut. William Butler, 7th do.....	1	Sp	A	77½	71	77
Lieut. Colin B. Mathews, 39th do.....	2	Sp	A	73½	56	63
Lieut. J. L. Phinney, 72nd do.....	1	S	A	82	78	80
Lieut. A. Whitman, 69th do.....	1	S	A	68	77	72
Lieut. L. Kennedy, 67th do.....	1	S	A	75	80	77
Lieut. W. Bell, 67th do.....	1	S	A	82	80	81
Lieut. G. W. Hamm, 75th do.....	1	S	A	69	77	73
Lieut. Collin C. Milloy, 19th do.....	2	S	A	67	53	60
Lieut. Joseph M. Mussen, 37th do.....	2	S	A	76	59	67½
Lieut. George McSpadden, 12th do.....	2	S	A	55	56	55½
Lieut. Thos. E. Hiscott, 19th do.....	2	S	A	50½	51	50½
Lieut. David Beatty, 96th do.....	2	S	A	56	57	56½
Lieut. Thomas A. McGillivray, 34th Bn.....	2	S	A	83	64	73½
2nd Lieut. T. J. Watters, G.G.F.G.....	2	Sp	A	62	53	58
2nd Lieut. G. H. Darling, 42nd Bn.....	2	S	A	50	54	52
2nd Lieut. William A. Collins, 19th Bn.....	2	S	A	69½	66½	67½
2nd Lieut. W. Hunter, 82nd Bn.....	1	S	A	78	73	75
2nd Lieut. J. H. Hawkins, 72nd do.....	1	S	A	78	77	77
2nd Lieut. G. Bartheaux, 69th Bn.....	1	S	A	79	80	79
2nd Lieut. W. Purdy, 69th Bn.....	1	S	A	75	76	75
2nd Lieut. J. H. Kaye, 62nd Bn.....	1	S	A	76	66	71
2nd Lieut. H. C. Tilley, N.B.B.G.A.....	1	S	A	76	69	72
2nd Lieut. C. H. Taylor, 67th Bn.....	1	S	A	82	80	81
2nd Lieut. F. B. Black, 74th do.....	1	S	A	81	74	77
2nd Lieut. A. A. Wilkins, 69th do.....	1	S	A	81	76	78
2nd Lieut. David C. McKenzie, 31st Bn.....	2	S	A	66	65	65½
2nd Lieut. Henry G. Ball, 19th do.....	2	S	A	78	63	70½
2nd Lieut. Wm. T. Woodden, 42nd do.....	2	S	A	66	67	66½
2nd Lieut. John H. Woodside, 96th do.....	2	S	A	54	66	60
2nd Lieut. Benjamin A. Wycott, 16th do.....	2	S	A	53	58	55½
2nd Lieut. J. Ed. Verral, 12th do.....	2	Sp	A	58	57	57½
2nd Lieut. Holland H. Cole, 42nd do.....	2	S	A	73	56	64½
2nd Lieut. William Young, 33rd do.....	2	S	A	71	62	65½
Paymaster A. B. Coldwell, 75th do.....	2	Sp		70	52	61
Colour Sergt. John W. May, 57th do.....	2	S	B	57	70	63½
Colour Sergt. Allan Mark, 29th do.....	1	Lg	B	79½	73	75½
Colour Sergt. Murray R. Anderson, 7th Bn.....	2	S	B	59½	51	55½

No. 8.—CERTIFICATES GRANTED.—(Continued.)

Rank, Name and Corps.	Class.	Course.	Grade.	Percentage of marks obtained		
				Written.	Practical.	Aggregate Percentage.
Sergt. J. W. Horrocks, 49th Bn.	2	S	B	66	71	68
Sergt. E. St. Pierre, 85th do.	2	S	B	56	76	64
Sergt. G. A. Bernier, 81st do.	2	S	B	42	64	51
Sergt. A. Forsyth, 82nd do.	1	S	B	74	77	75
Sergt. P. Gates, 72nd do.	2	S	B	51	58	54
Sergt. L. Fales, 72nd do.	2	S	B	55	61	58
Sergt. G. C. Wilson, 72nd do.	2	S	B	65	65	65
Sergt. G. Healy, 69th do.	2	S	B	52	61	56
Sergt. H. A. Kendall, 69th do.	2	S	B	57	58	57
Sergt. F. Dennison, 68th do.	2	S	B	67	63	65
Sergt. A. W. Ells, 68th do.	1	S	B	76	64	70
Sergt. M. Rice, 69th do.	2	S	B	70	68	69
Sergt. A. J. Wheelock, 72nd do.	2	S	B	66	48	57
Sergt. H. I. Airh, 42nd do.	2	S	B	51	56	53½
Sergt. Thomas Dowling, 12th do.	2	S	B	62	68	65
Sergt. Clarence Hindson, 37th do.	2	S	B	70	76	73
Sergt. David Henry, 42nd do.	2	S	B	50	66	58
Sergt. Robert Irwin, 57th do.	2	S	B	58	60	59
Sergt. F. Kilpatrick, 56th do.	2	S	B	55	55	55
Sergt. James Reeves, 35th do.	1	S	B	71	84	77½
Sergt. Samuel Stuckey, 36th do.	2	S	B	62	53	57½
Sergt. Donald H. Sutherland, 36th Bn.	2	S	B	56	56	56
Sergt. Patrick McCarthy, G. G. F. G.	1	S	B	80	74	75
Sergt. Joseph Coates, 32nd Bn.	2	S	B	71½	54½	61½
Sergt. Henry Sanders, 30th Bn.	2	S	B	69	59	63
Corpl. C. Ecelke, 43rd do.	2	S	B	60	78	67
Corpl. A. Douglas, 8th do.	2	S	B	56	74	63
Corpl. A. Keen, 71st do.	2	S	B	65	73	69
Corpl. H. Peterson, 67th do.	2	S	B	50	55	52
Corpl. C. R. Carey, 72nd do.	2	S	B	55	63	59
Corpl. J. W. Lamoreau, 67th do.	2	S	B	61	63	62
Corpl. F. W. Foster, 67th do.	2	S	B	57	64	60
Corpl. S. Darkis, 67th do.	2	S	B	66	76	71
Corpl. Joseph Arthur, 35th do.	2	S	B	50	53	51½
Corpl. Samuel Rambird, 46th do.	2	S	B	51	55	53
Corpl. James Staples, 46th do.	2	S	B	60	58	59
Corpl. W. O. Zealand, 13th do.	2	S	B	71	61	66
Corpl. Ed. Strounger, G. G. F. G.	1	S	B	74	67	70
Corpl. William James McRae, 32nd Bn.	2	S	B	52½	51	51½
Corpl. James Archibald Elliott, 33rd do.	2	S	B	74	41	58½
Corpl. George Andrew Kettles, 21st do.	2	S	B	56	65	62
Corpl. William Stevenson, 33rd do.	2	S	B	66½	43	53
Lc. Corpl. C. Routh, 43rd do.	1	S	B	64	82	71
Lc. Corpl. Thomas F. Walsh, "C" Company, I.S.C.	2	S	B	67	62	64½
Lc. Corpl. Wright, "C" Company, I.S.C.	2	S	B	85	64	74½
Lc. Corpl. Frank E. Davis, "D" Company, I.S.C.	2	S	B	82½	61	69½
Pte. G. Hanson, "B" Company, R.S.I.	2	S	B	68	72	69
Pte. R. Gillow, 53rd Bn.	2	S	B	48	69	56
Pte. A. Walt, 49th do.	2	S	B	46	69	55
Pte. Le B. Jordan, 62nd do.	2	S	B	56	71	63
Pte. R. G. Boyer, 67th do.	1	S	B	71	48	59
Pte. E. C. Lyle, 71st do.	2	S	B	69	72	70
Pte. F. Patten, 68th do.	2	S	B	66	52	59
Pte. E. McLaughlin, 82nd Bn.	2	S	B	36	73	54
Pte. G. H. Alexander, 82nd do.	2	S	B	62	77	69
Pte. John Brothers, "C" Company, I.S.C.	2	S	B	57	63	60
Pte. John W. Hutchinson, 31st Bn.	2	S	B	50	55	52½
Pte. James Irwin, 31st do.	2	S	B	51	52	51½
Pte. James Page, "C" Company, I.S.C.	2	S	B	56	71	63½
Pte. William J. Robinson, 46th Bn.	2	S	B	52½	70	61
Pte. Henry Clinton Avery, G. G. F. G.	2	S	B	57½	55	55
Pte. Joseph Wm. Rowlands, 26th Bn.	2	S	B	66	50	56

No. 9.—ASSOCIATIONS FOR DRILL IN EDUCATIONAL INSTITUTIONS.

Seminary of Quebec Drill Co.—To act as 2nd lieutenant, Arthur Lessard, vice Alphonse Lefebvre, left the Seminary.

Gleanings.

An Army Floral Association has been organized in London for the sale of flowers in the streets by old soldiers.

An old soldier named Thos. Palmer, late of the 32nd Regt., and presumed to be the last of those who fought under Sir John Moore at Corunna, has recently died at Weston-super-Mare, England, in his 100th year.

The Duke of Cambridge is to go to Brussels in June to unveil the monument which has been erected in the principal cemetery there over the graves of the British officers who died of wounds received at Quatre Bras and Waterloo.

For the first time in the history of naval shipbuilding, the British Admiralty has taken the country into its confidence, as regards a proposed constructive programme, and laid its designs for a series of new battleships before the Institute of Naval Architects.

Von Moltke, it is said, is strongly against entrusting private soldiers with a rifle which can be fired too easily.

Misfortune will certainly fall upon the land, where the wealth of the tax gatherer or the greedy gambler in stocks stands, in public estimation, above the uniform of the brave man who sacrifices his life, health, or fortune to the defence of his country.—*Jomini.*

Orders have been given, says the Odessa correspondent of the *Daily News*, for the construction of two new war vessels to be commenced at once for the Black Sea. They are to be of the same type as the one at present on the stocks at Nicolaieff. The new vessels are to be of 11,000 tons.

Vice Admiral Tchikhatcheff, Russian Minister of Marine, has, it is reported, laid before the Czar a report upon the Russian Navy, in which he emphasises the urgency for the construction of a large number of cruisers, and oppose the projected increase of the flotilla stationed in the rivers running into the Black Sea.

A compass has just been invented by Capt. Willoughby Verner, of the British Army. It has the points engraved on the outside of a bronze case, and by adjusting a line to the objective point, the direction of the march is indicated in a luminous fashion. It is now undergoing official testing, with a view to its immediate adoption in the Army.

Special Announcement.

We have made arrangements with Dr. B. J. Kendall Co., publishers of "A Treatise on the Horse and his Diseases," which will enable all our subscribers to obtain a copy of that valuable work free by sending their address (enclosing a two-cent stamp for mailing same) to DR. B. J. KENDALL CO., ENOSBURGH FALLS, VT. This book is now recognized as standard authority upon all diseases of the horse, as its phenomenal sale attests, over four million copies having been sold in the past ten years, a sale never before reached by any publication in the same period of time. We feel confident that our patrons will appreciate the work, and be glad to avail themselves of this opportunity of obtaining a valuable book. It is necessary that you mention this paper in sending for the "Treatise." This offer will remain open for only a short time.



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Staff-Sergeants \$1.00 to \$1.50 per day.
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2nd "	50	5c.	55 "
3rd "	50	10	60 "
4th "	50	15	65 "
5th "	50	20	70 "

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

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

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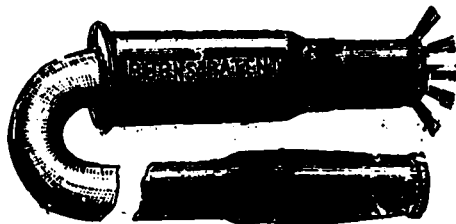
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CLASS D.

The 24th Monthly Drawing will take place

Wednesday, June 19th, 1889,

AT 2 P. M.

PRIZES VALUE.....\$50,000 0

CAPITAL PRIZE: 1 Real Estate Worth \$5,000 00

LIST OF PRIZES.

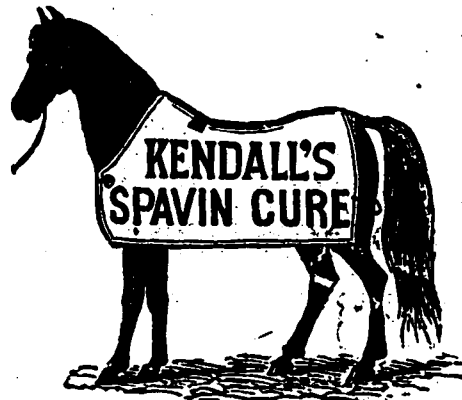
1 Real Estate worth.....	\$5,000	\$5,000
1 Real Estate worth.....	2,000	2,000
1 Real Estate worth.....	1,000	1,000
4 Real Estates.....	500	2,000
10 Real Estates.....	300	3,000
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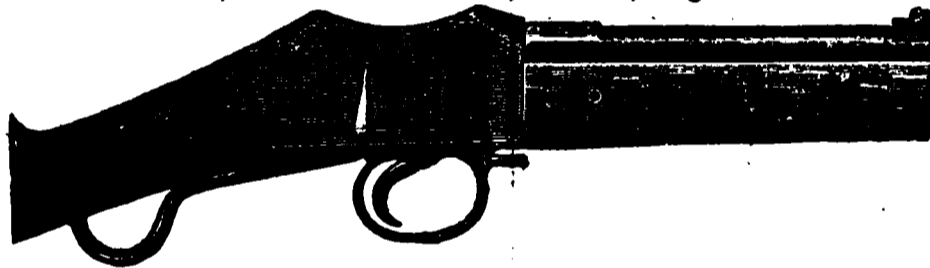
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