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The Volunteer Review

AND MILITARY AND NAVAL GAZETTE.

I Journal Devoted to the Interests of the Military and Naval Forces of the Dominion of Canada

VOL. VII.

OTTAWA, (CANADA,) TUESDAY, SEPTEMBER 23, 1873.

No. 38.

NEWS OF THE WEEK.

Our English advices for the past week are without interest under date of 16th September it is stated that a full freighted seconer name of which is unknown, suddenly sank in the Mersey to day, carrying down all on heard.

Advices from Cape Town state that the Ashantees have defeated the British boat expedition on the River Perah.

The liberals of Chester ask Mr. Gladstone to disolve the Parliament and appeal to the country.

The British press treat with unsparing ridicule the failure of the Transalantic balloon project.

It is reported that the offence for which the Grand Vizer was removed from office has some connection with the Reuter concession, which was very unpopular with the Persian officers.

Mr. Cairns an iron merchant of Liverpool, in a letter to the press, admits that iron manufactures may be profitably purchased in New York for shipment to England, and says he is convinced that the American trade is lost to England.

Private advices contradict the London Times report that the bombardment of Cartagena has commenced.

Earl Hardwich, Lord Lieutenant of Cambridgeshire, died to day (Sopt. 17th) aged 74.

Steamers leaving for New York take numbers of delegates for the Evangelical Alliance.

A Belgum firm has contracted for 2,500 tons of Walworth iron,

A roport is current in London to day (Sept. 16th) that further changes in the Cabinet are to take place.

The steamship Great Eastern has arrived at Portland. Her failure to repair the cable of 1865, depresses stock and it is said no further reduction of tolls is probable.

One hundred tons of American bar iron sold at Liverpool yesterday (Sept. 15th) at £11 10s., thus underselling the English market.

London, Sept 16—The recent rains have swollen the rivers and streams and caused

inundations in Forfarshire, Scotland. Much property destroyed and loss considerable.

Express says that the potatoe disease is is spreading rapidly. The same paper estimates that England must import 12,000,000 quarters of wheat of this year.

A serious riot took place at Trales to day (Sept. 16th). Several houses were gutted, and the pol were obliged to charge on the mob with fixed bayonets before it could be dispersed.

There was a violent storm on the Black Sea last week which proved very destructive to shipping. Seventy vessels were wrecked near the mouth of the Bosphorus and nearly all on board perished. At one point on the coast 265 corpses hase been washed ashore.

The evacuation of the territory of France by the German army of occupation was completed at half-past nine o'clock this mornng (Sept. 16).

The deaths from cholers in this city from the 9th to the 14th are officially reported at 121 instead of 19.

Mr. Sterns, an English traveller, arrived from Central Africa and reports that he met Dr. Livingstone last June, and parted from him the first of July. The Doctor was in perfect health.

In the Cortes a debate on the suspension of the sittings opened on the 14th Sept., and was continued on the 18th. The minority urged no recess until the new constitution was considered.

The police seized Carlist newspapers circulating in the capital.

Insurgent frigates have again sailed from Cartagenia, this time for Aquitas, 37 miles distant, to collect provisions. The latter town is faithful to the National Government and will resist any attempt to levy contributions. The British admiral there has promised the Government that he will prevent the insurgent fleet bombarding the town.

A serious riot occurred on the 17th Septin Ecija, provoked by the intransigentes' Many persons were killed and injured. The municipal election in Malaga yesterday attended with bloodshed and fighting at several polling places, and the rioting continued late into the night.

The King of Italy departed to day (Sept. 16) for Vienna, to visit the Emperor of Austria.

Addresses signed by large numbers of the Roman Catholic clergy of the United States have been received by the German priests, approving of their attitude incorposition to the Prussian Government,

The King of Italy arrived at Vienna on the 17th Sept., and was cordially received by the Emperor and populace.

The triat of the Manitoba kidknappers is described as follows by the United States journals.

Of the indicted Manitobs prisoners, Kegan and Bently pleaded guilty, and were sentenced to 24 hours confinement. Fletcher pleaded not guilty. The case is continued and \$2,000 bail accepted. Gordon is still in close confinement, on a charge of forgery and larceny.

A despatch from Fort Garry says Lord Gordon, who fled westwards after the recent trial of the American officers for kidknapping, has been captured 500 miles west of there by Manitoba detectives, and now finds himself behind bars in Winnipeg.

A special term of the Court of Queens Bench opened yesterday, for the trial of the American prisoners charged with kidknap ping Gordon The judge in charge to the grand jury dwelt, main ly on kidknapping. The charge is considered very fair and dispassionate. It is believed that no bill will be found against Merrism, who was one of the accessories. Attorney General Cornell, of Minnesota, was introduced to the court by Attorney General Clark, and it is thought will be allowed to appear for the prisoners with General Austin and Hon, Wm. Lachern as council. Riel, who made himself so pro minent in the half breed rebellion, will arrivs there to-worrow, having been summoned as a witness, He is said to be guarded by 300 half breeds, well armed, and bloodshed is expected if he enjoys the town. The Canadian party brand him as a murderer, he having caused thedeath of Thom Scott, and declares it a disgrace for him to appear in court as a witness. .. There are parties there who have aworen to shoot him on sight.

THE INFANTRY FIELD EXERCISE.

The Red Book of 1870 was an immense advance on its predecessors, and for its every infantry officer has reason to be thankful to Captain Malton and his collaborateurs. But it was not to be expected that so great an undertaking should be at once complete and faultless in detail. Such a large number of corrections lieve been found necessary, that convenience requires a new edition in which they should be incorporated in the text Probably this may be shortly issued; and if so, it would now be good time to bring forward any week points that have been discovered in the three years practical test "the new drill' has undergone.

There' are in the Service very m ny officers capable of offering valuable, sugges tions grounded upon intelligent experience: and it will give us much pleasure to afford an oppertunity to such critics for discussing the subject. No doubt due consideration would be given to any fair and reasonable

criticism in the proper quarter.

By way of commencement,' some points are submitted by our correspondent "X, C" in which the writer's experience has ted to the conclusion that alteration has been scarcely improvement, or that reform has hardly gone far enough. There is scarcely a point in which our correspondent's sugges tions do not strike us as being sound and well worthy of the consideration of the next revisers of the infantry field exercise.

1. The Captain of a company is no longer a mere guide, but is posted where he can be of real use in superintending his command. Yet the field officers are still encumbered with the cares of dressing and covering. The further development of the admirable system of working a regiment by half buttalions, as in brigade, will surely necessitate their relief from these subordinate functions, which might very well devolve on the adjutant, for one wing; on the musketry-instructor, or a subaltern, mounted as field adjutant for the other.

2. The sword is returned in skirmishing. vet is still carried drawn, to the great incon venience and even danger of its bearer, in battalion movements, when the troops are not firing, nor even supposed to be in sight of the enemy. The sword should, as a rule, only be drawn when bayonets are fixed. The right hand should be free for pencil or field glass, which latter, by the way, should be a part of every officer's

uniform, by regulation.

3. Several terms and word of command have very properly been assimilated to those in use in cavalry. But here, too, reform has not gone far enough, and alteration has not been altogether happy. "Troop" and "squadron" would be far better than "company" or "double company"; "half company" is no improvement on the "sub-division" ("platoon" has been suggested, and is familiar and expressive); nor "half-battalian" on the old "wing" which there was no danger of confounding with the "wing" of a whole army. It is difficult to understand any practical military mun sanctioning such sesquipedalia verba as these and others, such as "column of double companies," &c.

4. Many of the minor details certainly require revision. Why is the difficult and intricate " countermach by ranks " (invented solely for the emergencies of the obselete close column) retained instead of the simple and specifier, "countermarch in files" or "fours"? Why is not "file tormation" ordered to be substituted, whenever possible, for the wheel? Why,

in marching past in quarter-column, are troops armed with the long rifle to carry it at the trail instead of at the slope-its proper position in field movements? could not the long process of teaching recruits " their fours " be much condensed by simply instructing them to form fours deep at once at the word "Fours" and the to turn as required on getting the further command, "Right?" "Left" or "About?"

5. The most mischevious items of "the new drill" have been very conveniently comprised in pages 169-173 of Captain Malton's "Elementary Drill," under the head of " Independent Movements of the Rank and File."

It may be very pretty to see a battalion of Rifles or Guards, rendered perfectly steady and precise by constant practice, turn about on the caution to "break into column " from line, or to form fours in the correct direction, &c., when warned to pre. pare for cavalry, in square; but it should be remembered that the drill book is intended, not for smart Guards and Rifles only, but for Militiamen who have not drilled for eleven months, and for Volunteers, whose "superior intellegence" is sometimes expected (by themselves) to stand them in stead of parades altogether.

The old rule that distinguished a "caution" from an executive word of command was a very sound one, and should be a rule absolute. A little extra quickness and smartness may well be sacrificed to certainty and accuracy. What is the result with half the auxiliary forces one sees at exerciso? About a quarter of the rank-andflie obey the caution, and there uprises a buzz of voices prompting and objurgating the rest from the whole supernumerary rank. These subtleties are all very well in Hyde Park, with level turf almost fit for a croquet ground, and troops drilled till they could dance quadrilles; but let the compiler of such intricacies as for instance, the authorized method of forming square from line on the centre of a battalion, and reforming line or column therefrom, imagine his maneuvre' as performed by the Royal Squirearchy Light Infantry Militia, or the Loyal and Independent Mercantile Rifle Rangers Volunteers, with shot and shell whistling about their ears' and their nerves unsteadied by the sight- or worse, rumour-of cavalry (Lancers for instance) in their immediate neighbourhood. Consider what the individual soldier has to keep constantly in mind already.

He has to remember (1) whether he is front or rear rank; (2) a right or left file; (3) an odd or even number; (4) the number of his company; (5) of his half-company; (6) of his section, and whether he is in a right or left half battalion or company; (7) which is his proper front; with many other things "too numerous to mention." desireable or expedient to add to this load on his mind, simply for the sake of show, or to save his officer's breath?

Common sense says no. A mistake may be the turning point of a battle. Cut away, therefore, the chances of mistake, as far as can possibly be done. And as regards our present field exercise, there can be no better commencement in this direction, than the excision and delection of all the mantraps and pitfalls which are summarised in the five pages above noted, of Captain Malton's little work.

THEORY AND PRACTICE.

"Good morning. Cardwell, glad to see you in Devon. No, this is not my part, I'm twenty one miles from here as the crow flies. Yes, those are the Marines; look at them well as they march past, they are not on their native heath. like that smart Militia regiment : nor contemptuous of everybody else's native heath like that corps from bonnie Scotland; nor demonstrative of feeling quite at home on every heath whatsoever, like the springy Rifles. But just tell me, don't you think you and Goschen might do better than squabble whether the cost of their good deeds ought to be borne by the War Office or the Admirality? Well, perhaps you are right, I ought not to have mentioned it, but we must improve the occasion, and whilst you are peering the curiosity at those gallan fellows who have won the blue ribbon o the campaign, just pe liberal enough to see how they bear on your localisation 'theo You cannot divide them into infield and out-field, home battalion and for eign battalion; you cannot balance then with a couple of battalions of Marine Militia or adorn them, in the sixth column of the mouthly 'Army List' opening with a fancy fringe of Marine Volunteers. No; whatever the value of the theory that England is to be defended by printed tables of names, in a pink cover, there before you now, as they march, is a record of the simple fact that the best infantry in Her Majesty's Service are outside your fancy scheme altogether, although the only practical embodiment of that yearning for general service with your monocular adviser have travestied from the Prussian. It is worth a passing thought, now you are tete d'armée on Roborough, to consider the lesson taught by our friend Goschen's men amphibious though they be, as to the best means of making the most of ground of any sort. solid or fluid, in front of an enemy. No, I never chaff. A crude dogmatic generalisation s but new fangled Toryism, and should be open to conviction as to the best model to adopt. Again, he good enough to listen to a hint- if you really believe in the superior ity of general service esprit de corps, mark the quality of the Marines, and let your chief foreigh garrisons be organised on the plan of those splendid troops who are at home at sea and more than at home everywhere else."

The Paris Opinion Nationale mentions that a steamship of 2,200 tons burden is now in constructing at Bordeaux in accordance with plans drawn by M. Bezin, inventor of "Bazin's express ship." The hulk of the vessel, according to the Opinion, consists of three vast rollers which sink into the water to their axis. It is claimed that the reduction of friction secured by the adoption of this shape, instead of the usual keel, will result in the attainment of a speed of thirty kilometers an hour. The Transatlantic journey could thus be accomplished in four and one half days. The steamer now build ing is to have engines of 450 horse power, and is to carry 450 tons of freight and 250 first class passengers.

The Italian fleet has been ordered to Carthagena for the protection of the Italian subjects resident there. The Italian fleet will co-operate with the other foreign war vessels at Carthagena.

WHAT MAY BE DONE AT CREED-MORE.

LETTER FROM QUARTERMASTER GENERAL MEIGS.

We are permitted to publish the interesting letter which follows, addressed to General Meigs, Quartermaster General, to the President of the National Rifle Association.

C. Ronel William C. Church, President National Rifle Association.

DEAR SIR,-Permit me to suggest that there be set up at Creedmore the fixtures necessary to enable every marksman to determine quickly, and with ease to himself, the actual path of the bullet from his own favorite rifle.

It is easy. Two or three trial shots through thin paper screens, all hung precisely in line whether vertical or horizontal, an observation and measurem at of the position of the noles made by the passing bullet in each screen, and a projection on a paper or on a blackboard, and the thing is done-and done forever.

White all understand that the path of the bullet, the trajectory is a curved line, and that for different distances between clevations of the sight must be used, or different allowance for the rise or fall of the bullet above and below the line of sight must be made, very few in talk country know exactly or approximately what is this curve; what are these elevations and depressions.

The theory of falling bodies tells us that a round ball moving in a vacuum with a velocity of 1200 feet per second, and occupying one quarter of a second in travelling 100 yards, 300 feet, will fall by the time it reaches the target at 100 yards 0,994 feet i.e. 12 inches.

At the 150 yard target, which it would reach in 3 8 of a second, its fall below the line of fire would be 24 inches. The velocity in a vacuum remaining uniform, it would reach the 100 yard target in half a second, and its fall in that time would be 47 and 3

In a resisting medium, such as the air, the velocity is continually reduced, the time of flight increased, and therefore, the fall of the round ball below the line of fire should, with this velocity of 1,200 feet per second, be greater than the figures given above indicate. The curve, the trajectory, in air is also a figure of greater curvature than in a vacuum, and this curvature increases rapaily as the ball, longer exposed to the resistance is more and more retarded.

But there is something in the action of the air upon the conical butlet in common use which materially modifies these re-

The trajectory of the Springfield rifle to 300 yards has been determined experimentally by the officers of the Ordnance Corps of our army by firing through paper screens at intervals of 25 yards.

The bullet is .50 calibre, 480 grains weight. The charge of powder of 70 grains gives it an initial velocity of 1,225 feet per second. It may be assumed that it occupies 4 of a second in reaching the screen at 100 yards, and at least 3.8 of a second in reaching that at 150 yards.

Plotting from the figures of the table given in the ordnance publication the ordi nates of the first half of the trajectory, i. e.. to 150 yards, and laying down the curve, if wedraw a line of sight to the point where this curve crosses a vertical ordinate 105 yards distant from the piece, and through a point one inch above the axis of the rifle at it

its breech, we find that the curve as determined by the Ordnance Department, departs between these limits from the straight line of sight nowhere as much as one inch. The trajectory, up to 120 yards—a good sporting limit—lies generally within a half inch of the line of sight. To give details: It lies below the line of sight until, at 40 yards, it crosses it; at 80 yards it is 48-100 of an in. above the line of sight; it crosses it again at 105 yards; at 120 yards it is only 4-10 of an inch below; at 130 yards it is 1 and 18 below. Thus the bullet itself, not being a mathematical point but having a certain thickness-viz. 1 inch-it will touch some part of a circle half an inch in diameter, if properly nimed at it centre, at all distances between 20 and 120 yards—and this shoot ing off the same sight unchanged. This is practically shooting, not in a curved trajec-

tory, but in a straight line.
I think that the extraordinary flatness of this 120 yard trajectory, or rather of the first half of the 300 yard trajectory of the Spring field rifle, is due to the resistance of the air upon the lower side of the conical bullet and to the slight obliquity of the axis of the bul let to the line in which it progresses; so that the bullet actually sails like a kite in the air. The centre of gravity of the bullet is also behind the middle of its length. This may give the bullet a tendency to drop at the rear end like a boat trimmed by the stern. It is possible, nay, probable that there is a form of bullet, the effects of whose length, diameter, position of centre of gravity, arrangements of grooves to create resistance at the rear end, as in the feathered arrow, may so balance each other that, with a proper velocity, its path (its trajectory) may, to certain distances, be absolutely a straight line, or rather, may be contained in a horizontal plane. It will be subject to deviations to right and left, due to frictional resistances and its rapid rotative velocity. A clam shell thrown from the hand will fre quently rise above the straight line, and have a trajectory convex downward. ful and exhaustive experiments upon the effect of form of bullet upon the flatness and curvature of the trajectory, i. e., upon the length of its effective killing range and its accurracy of fire, are much needed. It is form only which makes the clamshell's trajectory concave upwards and the round balls concave downwards. For have any idea of the commercial importance of such experiments. It is stated that a single factory once took an order for million metallic cartridges. The bullets in those certridges will consume over one thousand tons of lead. It is worth something to know the best shape into which to put this quantity of metal. Consider, too, the cost of the copper, the gun powder, the fulminate used in these cart ridges, and then the cost of equipping and maintaining the army which is to depend for the success upon the flatness and accuracy of the line of fire which this cartridge may develope-in action.

This discussion of the 150 yards flight of the Springfield rifle shows that, least for that distance the bullet used in determining the 300 yard trajectory is as near ly perfect as can probably be hoped for,

Creedmore is devoted to the improvement of the people in rifle shooting. Give tnem the means of knowing how their guns shoot. It takes many shots, on different days, at different ranges, to determine this as ordin' arily determined by each marksman who aims to become a good marksman.

All windy days are unfit for the trial, and is long before the definite result powder.

is reached-and then the results at dif ferent distances do not hang together, are not collated.

I believe that little game is killed at beyond 200 yards; and the trajectory at all ranges up to 200 yards may be determined in half an hour upon a shooting ground

properly prepared.

Let 9 stout posts be set in line at intervals of 25 yards, the tops all in exactly the same level. In each post there should be a hori zontal mortice, into which a horizontal rod 4 in by 1 in should be inserted so as to be easily replaced if broken by a bullet. This rod, 24 inches in length should be in the same level plane as the upper edge of all the

Sheets of thin paper—a newspaper page will answer—should be hung from each rod by tanks, or spring clothes pins, the upper edge of the sheet being folded down upon the upper edge of the supporting rod. 'l ha crease or fold thus formed in each sheet will be the base from which to measure the

altitude of the bullet hole.

Then let the marksmen, siming as nearly horizontally as possible, fire a shot through all these 9 screens. Each hole should be marked No. 1. Two or three successive shots, the holes made by each being duly numbered, will suffice to give with extreme accuracy the behaviour of the rifle. Upon a blackboard, or upon a sbeet of paper, nine vertical lines being drawn at any convenient but equal interval-the lines of a sheet of ruled our paper will do-a horizontal being drawn it the top, these lines being numbered from 1 to 9, lay off from the horizontal line the actual distances in each vertical between the fold or crease at top of the corresponding screen and the centre of each bullet hole in that screen.

Lines connecting the parts thus obtained will give the successive trajectories; the vertical scale being true, the horizodtal scale being greatly diminished, as say, I in., to 25 yards—or in. to 25 yards. If the rifle is a good one, and the ammunition good and uniform, the vertical projections thus obtained of the several trajectories will be very nearly identical curves. They will diverge, more or less, as the aim may have been more or less irregular; but any one curve when drawn, will be found, if laid over another, to very nearly coincide with it.

The nine sheets of paper, properly numbered and labelled, can be taken hence and preserved, and will be found a most useful record of the performance of a rifle, answering all sorts of questions as to range, eleva-

tions, accuracy, etc.

Thus half an hour's shooting will really give better knowledge of each marksman's rifle than can be had in a whole season's hunting or target shooting. I do not mean to say it will give skill or manual dexterity in aiming, but it will make plain what the aim should be, what should be sought or attempted at all distances under 200 yards, and in the woods and on the prairies this is all their information that the most successful hunter needs. Manual skill, correctness of hand and eye, can be obtained only by long practice, But knowledge guides practice.

Very truly yours, M. O. Maigs.

Very truly yours,

Prussian military organs describe the siege operations at Grandeux, undertaken to destroy scientifically the fortifications of that place doomed to dismantlement, as highly instructive. About 1,500 tons of gun-powder have, been already expended. Gun cotton is to be used, in order that its efficacy may be compared with that of gun-

448	THE VOLUNTEER REVIEW.	September 23, 1873
DIELE COMPETITION	24 Col Sergt Omand, 13th Batt 42	J. Mitchell
RIFLE COMPETITION.	25 Sergt Royd, 43rd " 42	D. Mitchell 42
'DOMINION RIPLE ASSOCIATION.	26 Pte Montgomery, Guards	
(Wednesday) at \$30. The ranges are now in	28 Pte McLeod, 69th Batt 41	
perfect order and all the armage	29 " Bell, luth Batt 41	Total
ments die being thoroughly carried out by the Executive Officers. The	The second secon	1 SATH BATTURY
weather yesterday was very unpleasent	32 Asst Surgeon Aiken, 37th Batt 41	Thomas
for good blooding being entirely too cloudy, consequently the competitors in the re-	33 Major Irwin "A" Batt	Hanning
spective contests labored under very great	35 Ens Wright, 58th Batt 41	Clarendon
disadvantage. The proceedings of the day	36 Pr Mead, 18th Batt	Thorburn
were opened by the All Comers match, which was finished about noon. About 122	38 " Saucier, 18th Batt. 41	
competitors took part in the match which	39 Capt Walt. 2nd G T R B 40	
was libily confested throughout. The Battallion Match of course excited the	41 Pte Murrison, "B" Batt 40	I DARII DATTALIUN.
greatest interest and the result was look-	42 Capt White, 34th Batt 40	Hickey
ed forward to with an unusual degree of interest. The following is the score in yes-	43 Pte Mills, 10th Batt	Bishop. 39
terday's competilicus:—	45 Ens Wilkinson, 2nd, GTR R 39	Shepherd
ALL, COMBES MATCH.	46 Lieut F Cotton O B G A	Tople
Open to all Memembers of this Associa-	48 Sergt Barr, 10th Batt 38	[
tion; whether by direct contribution or through affiliated Associations.	49 Pto L Mitchell, 12th Batt	Total 221
1st Prize	50 G Morrison, O B G A	"A" BATTERY—DOMINION ARTILLERY.
2ad (4) 5 d 60 3rd (4) 5 d 60 d 60	152 Pte Davison, 43rd Batt	Allison
4th : 19 2	53 Gr Cauthrey, O B G A	Holmes
4 prizes at \$10 3 40	55 Sergt Mooney 18th Batt 38	Greegan. 27 Irwin. 36
tung 5.4 \$270	56 C Sergt Caims, Guards	Cotton
To be shot for in two stages.	58 Capt Wilkinson, 42nd Batt 38	
1st Stage—Enfield or Snider Enfield, 2nd Stage, any Riflercoming within Wimbledon	59 Sergt Major Gough, lat G T R R 37	Total 217
Regulations	60 Sergt J Sheppherd, 63rd Batt 37	10th battalion.
Ranges—lat Siage, 200 and 590 yards; 2d siage, 800 and 1,000 yards.	BATTALICN MATCH	Barr
Rounds—lst Stage 7 rounds at each	To be competed for by six officers, non- commissioned officers, or men from any Bat-	Sheppherd 32 Bell 39
range #2nd Stage; seven rounds at each.	talion, Brigade, Squadron, Field Bittery of	Mills 58
range, In the lat Stage, highest score to	Active Militia in the Dominion, and A and P Batteries Schools of Gunnery.	McMullen 38 Dondret 28
**************************************	Ist prize, to highest aggregate score, a	· · · · · · · · · · · · · · · · · · ·
17 Second highest. 40	Cup presented by J. M. Currier, Esq., M. P., and	Total
	2nd prize, highest individual score 50	GOVERNOR GENERAL'S FOOT GUARDS.
The 2d Stage to be fired for by the	3rd prize, to secood highest individual	Macpherson40
60 competitors making the highest Score in the 1st Stage. Highest score	score	2
to receive 100.	score	Cotton
9710 · · · · · · · · · · · · · · · · · · ·	S175	Deslaurier 32
Entranco Peo-1st Stilgo 50 cents 2nd	Membership and certificates of efficiency	Thorp30
	same as in Dominion Match.	Total 214
Position—Shoulder at 200 yards, and any position at the other ranges.	Selection to be certified by the Officers commanding the Battalion, Brigade or	O. B. G. A.
WINNERS OF PRIXES.	Corps,	Lambert
1 Ens Fribey, 2nd GTR 49	Ranges—300 and 600 yards. Seven rounds at each range.	Harris. 42
2 Sergt McDonell, 18th Batt	Entrance Fee—\$5 per Battalion or	Wallis
4 Major Worselve # 45	Corps.	Patrick 36 Grant 34
5 QM Gleveland, 54th Batt 45	Snider Enfield Rifles of Government issue. Government ammunition, Any posi-	d
6 "Thomas " 45 7 Gunner Yeomap, O.B.G.A. 45	tion.	Total 201
The following are, the balance of the 60	The Chp to be held by the Officer com- manding the winning Corps for one year.	43RD BATTALION.
competitors making the highest score in the	Twelve Battalions entered for the con-	Ivison
9 Cipt De Bouchervills, OBGA 45	test.	Boyd 31
9 Sergi:Golton, Gimid	The following is the result:	Moodie
10 Pto P.Mitchell; 13th Batt. 44	SECOND GRAND TRUNK RIFLES	Corbett
12 MajoriCotton: Al Battery	Friher	Total 177
13 Pto G Disher, 19th Batt. 44.	Wilkinson	
15 " Turnbull, 2nd GTRR 43	Hodginson45	· 18th Battalion.
16 Pto J. Pergueon	Kelly	Modie
IS Dia Shannand IIII Rath	·1	McDonnell 23
19 Sergt Shawi "Totalia"	. Total	McKillican 28 Mooney 23
20 Lieut Audireks, 4Brd **	. 13TH DATTALION	Saucirr
22 Asst Sur Vail 74th 1 1 43	T Michell41	
28 Gunner Lambert, O B G AUCCC. 42	23.140.11.11.11.11.11.11.11.11.11.11.11.11.11	Potal

OTTAWA FIELD BATTERY.	
Dimmett	17
Swage,	24
Gray	36
Martin	30
W. Grey	33
Marvin	25
Total	165
FIRST GRAND TRUNK RIPLUS.	
Blair	30
Gough	30
Clerk	24
Black	
Atkinson	26
Steel	26
Total.	151

It will thus be seen that the First Batta-lion Grand Trunk Rifles wen the Currier The high st individual so re was won by Color Sergeam Umand of the 13th Battahon, who won the second prize of \$50. Capt. Thomas, of the 54th Battalion, made the second highest individual score, and Sergeant Turnbull Grand Trunk Rifles, the next highost, winning: respectively \$10 and \$25

THE DOMINION OF CANADA MATCH

was commenced, but not concluded, when the guniwas limitaix r'clock.

firing will be continued at 8 30 this morning, (Thursday) and it is expected that several of the competitions will be concluded before maket. . . u . .

Owing to the rain which fell and continu-el to fall during the greater part of yesterdry morning, (Thursday) firing did not com monse until near noon, consequently the best part of the day was lost. The Dominion of off ne beenemmoo saw doing doubt about previous eyening, was resumed. The shooting on the whole was very good, notwith-standing the variable nature of the wind, The following is the result of yesterday's duoting: . . . 9

DOMINION OF CANADA MATOR.

Open to all certified officient members of embodied corps of Active Militia, and to members of the staff in Ontario, Quebec, New Brunswick and Nova Scoatia, and to officers of the Active Militia Force who have retired rotaining their rank, who are also members of the Association.

Efficiency to be understood as having been a bina fide member of the corps to which the competitor belongs previous to the 1st of July, 1873, and as: having pre-formed the number of drills authorized by any General Order in their behalf, for the year 1872-73.

Certificate to be signed by the officer com manding Corps to which the competitor belongs.

lst prize.	9100
2nd 4	50
3rd "	40
10 prizes at \$10	100
10 prizes at \$5	50
3rd " 10 prizes at \$10	1474 - 14
value	100

्रकृतः अर्थः । सर्वेशः भारतः talible of the normal

. Alteratively made

4. 1 . 4.

1st stage-winners of prizes.
1 Ens Wright, 50th Batt 5
2 Lieut Johnson, 71st Batt.
3 Lieut Boyd G T Eng.
4 Ptb C Blacklin, N B.
5 Corpl Hickey, 63rd Batt
7 Major Cotton, "A" Battery 4
8 Serg Bailie, 47th Batt 4
9 Lt Col French, "A" Battery 4
10 Corpl Deslaurier. Guards 4
11 Major Worsely, G T R 4
12 Sergt Doudiet, 10th Batt 4
13 Ple Mitchell, 13th Batt
14 Sérgt Carins, Guards
15 Sergt Shopphord, 63rd Batt. 4 16 Corpl Sutherland, Guards. 4
17 Gunner Grey, O F B 4
18 Sirgt Bishop, 63rd Batt 4
19 Ebs Storrs, 19th Butt 4

The second stage of the match will be fired for to-day by the the above winners in the first stage. The competitor making the highest score will receive \$100 and a gold badge. The second highest \$50, and the the third highest \$40. Much interest is ap parently centred in the result of this match and some good shooting is therefore expected to day. The firing will take place at the 500 and 600 yards ranges, and the Snider Enfield Rifle is to be used.

Firing was resumed yesterday morning riday) at the usual hour. The day was (Friday) at the usual hour. The day was cool and most unfavourable for rifle shooting. Rain fell at intervals, and the wind vecred about from all points of the compass, making good shooting, almost an impossi-bility. "The McDougatl Challenge Cup" and the second stage of the "Dominion of Canada match" was fired off. The follows ing is the result of yesterday's shooting:...

The McDougall Challenge Cup, value \$200, presented by Mrs. P. I. MoDougall, Open to all efficient militia men in the Dominion of Canada, being members of the Association. Efficiently as in the Dominion. The cup to be the property of the member. winning it twice consecutively. Ranges 400 and 600 yards. Five rounds at each range. Any competitor not scoring eight points at first range to be disquilified. Enfield or Suider Fosield Risles. Government issue. Entrance free.

Winnerfor Copyr. 3 DOMINION OF CANADA MATCH.

SECOND STAGE.

Five rounds each, 500 and 600 yards; to be fired for by the first 20 winners in 1st stage. Competitor making the highest store to receive \$100 and a Gold Badge. The second highest, \$50; and the third highest,\$40.

Snider Enfield rifle, Government issue; Government ammunition. Any position.

Entranco Feo-1st Stage, 50, conta; 2nd Stage \$1.

WINNERS OF PRIZERAL ALTERATION Pte. J. Ferguson, 2nd BattsG:T.R. 33: Col. Sgt. Curus, G.G. F.G. 100 Section 200 issign with the declaration of Count do Cham-Gorp. Sufficiently has certain rights and

The new harbour and breakwater at Holy: head which have been creeted at a cost of £1,500,000, were opened on Tuesday by the Prince of Wales. The Prince with the Duke of Edinburgh, arrived in the royal yacht at two b'clock in the morning and landed on the brenkwater at twolve o'clock. He was received by the President and officers of the Board of Trade, the Deputy Master and Elder Brothern of the Trinity House, and a number of the nobility and gentry of the Principality. Addresses were presented fron the county of Anglesea by Mr. W. H. Owen, high sheriff, and form the Local Board by the Hon. W. Owen Stanley, M. P. for the Anglesea boroughs. The Prince, attended by Mr. Chichester Fortescue, proceeded along the breakwater in a carriage drawn by a locomitivo engine. Mr. Hawk: shaw was also in attendance and explained the works. At the seaward end of the breakwiter the Prince left the carriage, and proceeded up the steps to a dias under the lighthouse, where a guard of honor was in attendance, consisting of the Royal Marines and Royal Marine Artillery, in full dress. Mr. Fortescue-then-read-a-brief-account of the Works, and the Prince declared the hreakwater completed and the harbour approach. A salute was fired from a detachmen of the Channel squadron, including the Agreement. Hereules, Northumberland, Sullan, and Decastation. The prince and Duke of Edinburgh inspected the lighthouse and after signing their names in the visitors' hools, left, and re embarked in the royal rachi, which left Holyhead Harbour on Tuesday night, and steamed for Plymouth. where their royal highnesses landed and proceeded to Dartmoor to witness the march past of the troops engaged in the manouvres. At noon on Wensday the ironclad squadron also weighed anchor, and steamed southward on their way to Plymouth, the Agincourt, the Hagship of Rear Admiral Hornby, C. B., leading; the Hercules, the Northumber land and the Sullan followed, and the rear was brought up by the Devastation. whole squadron was soon lost in sight of in a thick mist which came up from the southward, with heavy, driving rain. A part of the squadorn is under orders for Spanish waters.—Broad Arreno, 23rd August.

A petition numerically signed by members of the Protestant churches in France has been sent to the Protestant deputies in the Assembly urging them to use all their in fluence and throw their votes against the

NEGO OFFERESS, 13 17 33: in which he says, be, is not quite sat-

To be competed for in two stages.

Ist stage—Seven rounds each at 300 and 400 yards. The ten competitors making the highest score to receive \$10 each and silved six o'clock, the competition was not combadge, The maxt 10 highest to receive \$5 leach and a bronze badge,

[To be concluded in our next.]

Col. Sgt. Cuirns, G.G. F.G. 120 - 200 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count do Chamber 100 issued with the deciaration of Count with the deciaration of Count with the count

fine is a contract that we have a second that the contract of
CONTENTS OF No. 37, VOL. VII. Pourrey .-Drumbariff [HIII. 142 EDITORIAL.-CORRESPONDENCE. RIPLE COMPETITION. Ontario Rifle Association 1st Halifux Rifles SELECTIONS .-MILITIA GENERAL URDERS...... 435 REMITTANCES...... 444



The Volunteer Rebiele,

MILITARY AND NAVAL GAZETTE.

"Unbribed, unbought, our swords we draw, Toguard the Monarch, fence the Law."

OTTAWA, TUESDAY, SEPT. 23, 1873.

To Correspondents .- Letters addressed to either the Editor or Publisher, as well as Communications intended for publication, must, invariably, be pre-paid. Correspon dents will also bear in mind that one end of the envelope should be left open, and at the corner the words "Printer's copy" written; and a two or five cent stamp (according to the weight of the communication) placed thereon will pay the postage.

THE success of the Prussians in this late contest with the French appears to have turned the heads of the theorists in the British army, and while one demands the introduction of the Prussian system in organization, strategy, and tactics; another is satisfied with advocating the advantages to be derived from the application of the skirmish swarm, the company column, or the half battalion formation, while the old red line is declared to be utterly useless in modern warfare as inflexible, slow, difficult to handle, and presenting the best possible 'a get to the fire of an enemy.

Throughout this controversy the "Volunteer Review" has steadily advocated the retention of the line, on the ground that it was capable of displaying, and that it had always under fire displayed, the very qualities which the advocates of the new system

the simplest and ensiest controlled of all the inotical formations in uso; that even in skirmishing it was better than the Prussian awarm, and that the latter was, in reality, nothing better than a mob. In the event of a check, it would be utterly impossible to rally a force composed of units of companies of diverse battalions who neither know nor cared for any officers but their own, and in fact that the success of such a formation had only been tried against untrained levies, and only then succeeded by force of numbers, and a total disregard of human life. It has also I een held, that no tactical change was necessary, and this position was sus tained by Major General Macdougal. The only improvement advocated was that proposed by Colonel MacDONALD, which was simply the formation in fours with intervals. Experience has since proved that those views were strictly correct on cooler consideration; and more accurate analytical research into the causes which led to the success of the invasion of France by the Prussians prove that superior tactical ability dn the part of either officers or men had little or nothing to do with it. In that respect both parties were equally at fault, and if there was any difference it was decidedly in favor of the French. What did in reality constitute the difference between both armies was the fact, that the Prussians were under strict discipline, the French almost wholly without it. In advance and retreat one party acted with accuracy and precision, the other was a mere mob-yet that same mob outnumbered, outmanouvred, and badly handled, gave the well disciplined foe, as much as he could desire, and on more than one occasion all but ruined his best handled army-for the mob did underst and tactics after their own fushion,

And this consideration furnishes a striking argument against the advocates of simplicity in drill. The French were notorious for practising a simplicity more than bordering on license-they disregarded discipline—they practised only such movements as were useful in the field, and despised all parade movements. As a consequence, on the field of battle, although they were manœuvred with the greatest ease, it was impossible to handle the units efficiently. They became a swarm, different corps got hopelessly mixed, every man was an officer, and the Prussians knowing that they had thoroughly disciplined troops drilled in parade movements, broke their attacking columns into loosa order for the purpose of closing with their opponents, and overwhelm. ing them by numbers, well knowing that the strictness and severity of their discipline would compel the soldier to reek his company and battalion no matter how great the confusion.

After carefully considering over the whole military system of Prussia, we are of opinion that neither in the education of their officers | was trained; but the lecturer further says : denied it; and moreover; that it was at once | nor the training of their troops, in organiza-

tion, discipline, or equipment, is there any thing that could be profitably imported into the British army to its advantage. CARDYELL'S system of reorganization has been tinctured by Prussian ideas, and it is evident that wherever they have been adopted, the fuilure is swift as well as certain. We need only point to the short service, and the class of recruits it gives the British Army, as exemplified in the statements of Mr. Candwell's own friends, as well as that other notable experiment, the Depot Centres, and the absurd competitive examination system -the total and absolute failure of all demonstrate the absurdity of importing foreign organizations under a totally different social and political state of existence as peculiarly adapted to the genius of the British people, least of all to the military portion thereof. We have been led to review this whole sub' ject by the perusal of an exceedingly able paper in No. LXXIII, Volume XVII of the Journal of the Royal United Service Institution, entitled "Is a Radical change in the Tactical formation of our Infantry really necessary?" being "a lecture delivered at the soldiers Institute, Fort William, Calcutta, by Lieutenant Colonel and Brevet Colonel, The Hon. Sir Frederic Thesicer, C. B., A. D. C. to the Queen, Local Major General and Adjutant: General in India," in which it is conclusively proved that no such revolution is necessary, and that the two deep line is the one best adapted to meet all the conditions of modern as well as it has met those of the past warfare. After quoting the opinion of an essayist for the Wellington prize which may be summarized as follows:-The aim of a tactical system should be to produce elasticity, as well as flexibility.

The line formation provides neither of the above qualities, it gives rigidity and slowness with longer exposure to fire.

The battalion column is too large, the line too slow. The deployed battalion is as disadvantageous as the more compact column under fire." In answer to this the lecturer points out that there are no lass " than six teen sections of the Field Exercise Book which describe the different methods by which a line can be made to conform to the. exigencies of situation and the irregularity of terrain, and afterwards to regain its original shape, its primary formation. They will be found under the headings

"Formation and movements of a hattalion in line,".

- " Formation of column from line."
- "Formation of line from column."
- "Deployments."

"Movements and changes of front in copolonus

From this it will be seen that all the soralled improvements in the new system are already provided for under the old system of minor tactics in which the British soldier

"A battalion in line can be subdivided

without confusion into so many parts as there are companies, and as these companies are not now required to preserve any special numerical order, it follows that the line can be broken up and reformed with the greatest facility, and without the slightest confusion.

"The necessity for great flexibility and elasticity in an attack formation having only lately been fully recognized, no real attempt has, as yet, been made to bring out the full powers of the line, and the formation has been condemned not because it does not possess these essential qualities, but because having been allowed to lie dormant, they have been overlooked or mis appreciated.

"The days, no doubt are past," says another writer of one of the Wellington prize essays, "when successively deployed stiff lines of infantry could advance as we did at Alma," "but if troops in line are only handled so as to meet the requirements of the day and so as to avoid unnecessary exposure to fire the formation well I believe, as sert its superiority over any other in the same manner as it has always hitherto done.

"The most serious charge of all which has been brought against the line is slowness. I am not prepared to admit however, that the line, even under its present condition, is necessarily slow, and I am sure that any well drilled battalion without previous practice, will be capable of advancing or retiring in that formation in double time for a considerable distance without any material dissarrangement, But if the advance be made by echelon of half battalions or of companies, the most rapid place becomes perfectly feasable.

The lecturer suggests some minor improvements in formation and then says-"the real question for consideration is, can troops in two deep line formation be brought over a distance of say, 2,000 yards under the fire of modern artillery and breech loaders, with as little loss as would be incurred by an equal number of troops moving over the same distance in the skirmisher—swarm formation? 2,000 yards appears to be the distance which most writers admit will fairly represent the space to be traversed by an attacking force under the effective fire of an enemy holding a strong position, but in the first 1,200 yards in all probability artillery fire alone will have to be considered as mod ern practice seems to condemn the system of pushing skirmishers forward in front of a defensive position.

Then follows quotations from HAMLY and BOGUSLAWSKI in support of the view of the disadvantage of advancing skirmishers in such a case. The lecturer then says—

"At 200 yards a 9 pounder rifled gun firing shell has an error longitudinally of about 80 yards, and laterally of about eight yards. Therefore, when a battery fires with a clear view of the object at 2,000 yards the

range being known precisely, and no mistake made in the service of the guns; it is to be expected that a shot will be sometimes 40 yards short and sometimes 40 yards beyond, or sometimes four yards to the right, or sometimes four yards to the left of the target.

"The longitudinal error being therefore much greater than the lateral error, it for lows that the deeper the formation the more chance it has of being hit; but the lateral error being so exceedingly small a greater or less breadth of formation makes no appreciable difference in the value of the target.

Viewed simply then as an object to fire at it may be said that the two deep line is the target which the artillery would least like to have opposite it. Of course, if troops in such a formation are kept moving, the difficulty of hitting them increases enormously.

"Under Artillery fire alone, therefore, it seems certain that troops which are kept in the formation nearest approaching a line will suffer the least loss, and consequently by dividing a regiment advancing to the attack into three lines of skirmishers, supports and reserves, the chances of casualties would seem to be actually increased.

"From \$00) yards up to striking point the effectiveness of modern infantry fire has increased enormously, whereas the effectiveness of artillery at those close distances has not improved. Case fire from rifled guns range to a rather less distance than that from the old smooth bore guns and at very close distances it is about as effective. A well simed infantry fire is therefore more effective than the case five of artillery, and consequently the latter cannot remain with in case distance of unbroken infantry unless the battery is intended to court certain destruction."

It is the opinion of one of the great authorities on artillery, the Major General Commandant of the Brigade of Artillery of the PrussianGuard, that it is clearly permissible to eliminate from calculation the effect which artillery is likely to produce on infuntry advancing to the attack from 800 yards.

The gallant lecturer has clearly shown that no tactical change is necessary, and that the thin red line and the beyond will still be the distinguishing characteristics of the British Army; the remainder of this valuable paper contain interesting matter on the practical application of tactics which are worthy of consideration and shall be reviewed in our next, issue.

In our columns to day will be found a paper on minor tactics from the *Broad Airow* of 30th August, and we republish it because of its bearing on a subject of much interest at a time when military men are calling out for a revolution, not only in that part of military economy, but in major tactics also, and all those practices and tradi-

tions which cluster around and make the

Our own leading article is a review of how this matter is dealt with by a distinguished and gallant officer now serving on the Staff of the Army in the East. The practical good sense that distinguishes his valuable paper, is not the least recommendation to the consideration of this subject by cvery soldier.

Indeed, this whole question of minor tratics is so intimately mixed up with the hygiene and well being of our military economy, that any permitted looseness therein would be attended by the gravest consequences; and seriously impair the efficiency of the army.

Of the way this works, we have an instance in the paragraph relating to the mortality amongst the United States volunteers.

We hope that some of the officers of the Ganadian Army will turn their attention to this question. The first improvement in minor tactics during the last twenty five years was proposed and carried out by it member of the Canadian Army, Lieut. Col. BRUNELL WARRELL WARREL

"It is to be hoped that, in the event of a war in which they might bake, part, our British of Volunteer regiments would fare better than the American ones did, according to the of sushinedical and surgical history; just published, They appear to have suffered frightfully from disease, the deaths amongst their ranks being twenty three per one thousand in excess of these in the regular army, and the annual average ratio of regulars and volunteers, fifty five deaths from disease per one thousand. The causes assigned for the mortality amongst the American volunteers mre—imperfect examination and inferior extension."

mifhe above paragraph, which is copied 🗥 from Broad Arrow, illustrates the position is the we took in a late issue (August 12) on Gene: m.: rat Geson's letter to the President of the colors United States National Rifle Association, "on a the method of making good mucksmen, it in some a which the effect of looseness in distinguish ear equipment and dress was shown to Leaprime to er cause of disease and mortality; and this pa-ne of ragraph proves that as in the case of the Unit. ed States Volunteer troops these evils were aggravated by the flightful excess of 23 . deaths per 1000 in the volunteer ranks than in a the usual rate in the regular service. Theiste of notorious that the looseness of the organi-vill. zation referred to was the sole chimevof this state of things, and would lead us to the conclusion, that the days of parade move out? mentangengt par everyon in incident an almit in and a thin old the state of the court of the court

In another page we reprint from the United States Army and Navy Journal a very interesting fetter from the Quartermaster General of the United States army to the President of the National Rifle Association, on the subject of the practical method of miding the trajectory of any rifle that may be used in the competition.

Our neighbors are undoubtedly taking

the proper steps for making their newly organized Riflo Association valuable in a truly national point of view, and the practical good sense exhibited in the letter referred to, in placing within reach of the most simple min-led the means of solving a very intricate problem in gunnery, is an example of how thoroughly utilized every experience gained will be. But there is one thing of which the utility is at bost doubtful, and that is to have a variety of rifles at one and the same time, or to give encourage ment to anything but the soldier, weapon Those objects of the Association is to make good marksmen of professional soldiers, not of sportsmen, and the weapon best fitted for the conditions is the one alone which should be used.

The mode of finding the trajectory is both ingenious and useful.

"The experiments which have been made with the 35-ton guns for naval service, better known as the Woolwich Infants, have produced results which have been tabulated by Captain Noble, Royal Artillery, of the Department of the Director of Artillery and Stores, Royal Arsonal, showing the following to be the capabilities of these guns with the Service charge of powder and a 700-pound shot. It must be understood that in each case, the ordinary backing of hard wood has to be added to the thickness of the iron target :- At 200 yards range the projectile can be sent through 15in. of iron; at 500 yards, through 14in.; at 1700 yards, 12in.; at 2600 yards, through 11in.; at 4000 yards, through 9in; and 4500 yards, through Sin. of iron and the timber supports, at a range of over three miles a shell onethird of a ton in weight our be made to pierce the sides of some of the heaviest ironclads in Her Majesty's navy, which a few years since were thought to be well protected by Sin. or 9in. of iron.

The above from Broad Arrow of 23rd August, is a description of the power of a 35 ton gun with solid shot. The misfortune is that no shell has yet been invented to pierce four inches of iron without being shuttered to pieces by the force of its own impact, and the shot will pierce the sides of any vessel coated with eight inches of armour at the specified distance if it hits fairly, in other words, at right angles or nearly so to the plane of her broadside, so that the whole of all this wonderful work depends on a series of accidents which have nover yet occurred. the effective range being between 200 and 1700 yards, and at that it is possible that six shots in 100 would hit.

The sixth Annual Meeting of the Dominion Rifle Association, opened on the Rideau Range in this city on Tuesday, 16th inst. The weather was unfavourable, it had rained heavily the previous afternoon, throughout the night, and up till eight o'clock on Tues day morning. The remainder of the day, though bright, was cold for the season of the year, and a smart gale from the North West, made anything but good shooting

weather. The range is parallel to the Rideau River, extending from Theodore Street to the Southern limits of the city, the 600 yards range being a few yards north of the street, the 1000 yards at Cummins Bridge at the Eist end of Rideau Street. The range is said to be the best in the Dominion, but as it is likely to be cut by the Ottawa and Coteau Lunding Rulway, it is probable that this is the list match which will be fired on it.

Immediately behind the 600 yards range a splendid marquee, surrounded by the tents of the range officers, council tent, &c., had been erected within an enclosure of pine trees; flower beds and other ornaments had been well improvised, the principal marquee had been flore l, and a carpet hid on the floor of the marquee se' part for receptions.

The ranges up to 500 yards are in a ravine, 600 yards is on the 1 of Sandy hill. Upwards of 40 feet above the general level and on a projection of the hill about 60 yards west of the 500 yards range, the tents of the detachment of "A" or Kingston Battery of Volunteer Artillery, with the offices of the Secretary, Lieut. Colonel Stuart, and Free surer Lieut, Colonel McPherson, are situat ed. One hundred yards further to the west, on another projecting space overlooking the valley, the tents of the remain lar of the same detachment are located. The range has been propared at considerable expense by the local committee of the Council of the Association. The Executive officers of the Association which were preent are-Lieutenant Colonel Ganvaki, Pro sident; Lieut. Colonel Stuart, Secretary; Lieut, Colonel Macpherson, Traismor; Lt. Colonel Jackson, D, A G, com number of camp; Lieut. Colonel Fletcher, C. M. G., Statistical officer; Lt. Col. French, Maj. Worsley, and the President form the Executive Committee. Major White, Governor Gene ral's Foot Guards, Lieut, Holmes in charge of markers (detachment of "A" Bittery), Major Macdonald, 56th Battalion, Lieut Supple, 42nd Battalion, range officers.

A large and distinguished company was entertained at lunch by the President in the marquee, which was elegantly furnished. The chair was occupied by Liout. Colonel Gzowski, supported by the Right Honorable Sir John A. Macdonald K.C.B., on the right, and the Honorable Mr. Gibbs on the left, the Vice chair by Lieutenant Colonel Macpherson.

The following guests were present:—Hon. Mr. Macdonald, Minister of Middia; Hon. Mr. Aikens; Hon. Mr. Mitchell; Mr. Justice Day; Mr. Justice Polette; Mr. Justice Gowan; Dr. Grant, M. P.; Mr. Simuel Keefer, C. E.; Mr. E. Lingevin; Mr. Morgan; Mr. A. P. Macdonald; Mr. Perley; Mr. Meredith; Mr. A. Walsh; Rev. Mr. Gordou; Rev. Mr. Pollard; Dr. Ling; Mr. W. H. Griffin; Mr. W. A. Hemsworth; Mr.

The range is parallel to the carroll Ryan; Elitors—Free Press, Citizen, and Times; Mr. Cassels; Mr. Eastwood, Mr. Patrick, Clerk of the House of Commons; Mr. the 1000 yeals at Cummins he East on 1 of Radevu Street.

Carroll Ryan; Elitors—Free Press, Citizen, and Times; Mr. Cassels; Mr. Eastwood, Mr. Patrick, Clerk of the House of Commons; Mr. T. Reynolds; Mr. N. Moloan, Globe reporter; Mr. H. V. Noel; Mr. Nash; Mr. S Vankoughnet; Mr. W. Spragg.

Lieur. Colonbis.—Powell, A.A.G.; Jackson, D.A.G.; Houghton, D. A.G.; Frenci. Inspector of Artillory; Fletcher, C. M. G., Bearman, 43rd Bitt.; Coffin; D'Orsonnons, B. M.; Donis; Gilmour, 10th Batt.; Ross, Governor General's Foot Guards; Stuurt, Asst. A.G.; Beer, 74th Bitt.

Majors.—Cotton, A Battery, Garrison Artillery; Engleson, Ottawa Brigado Garrison Artillery; Mucdonald, 56th Buttalion; White, Governor General's Foot Guards; Worseley, B.M., Grand Trunk Brigado; G. H. Perry, Militia Staff, (Ev. Voluntum Review)

Paymastan - Wickstood, Goy. Gen. Foot Guards.

Captains —Smut, Ottawa Field Battery; Monck, M.P., 43rd Batt.

Lagurs.—Holmes, AB ettery; Supple, 42nd Battalion.

The good things provided by the hospitality of the gulant President having been discussed, the company were requested to fill their glasses and the toast of "The Queen, God bless her," drank with all the enthusiasm with which anything connected with our Sovereign is received by the Condian people, the Bind of the Overnor General's Foot Guins playing the National Anthom.

Sir John A. Maddyala then rose and proposed the next toast. Prayious to doing so, lio remarked that as a resident of Ottava. he felt pleased that the Capital had been honored this year by the Association holding its annual matches here. It was their first meeting here, and he hoped and believed it would not be their last. Speaking of the Association and the benefits which had resulted from it, be said that it had taken permanent root in the country, and it would be impossible to exaggerate the importance of the Association. He spoke of the unwise policy of the Home overment in with drawing the troops from this country, leaving the people of Canada taxely in her own resources. The objects of the Dominion Rifle Association were adverted to, and the satisfactory results of its wo.kings gluncel The high position which the Canadian Riflemen had taken at Wimbledon, was in a great measure due to the care of the present He would propose "Success Association. to the Dominion Rifle Association, coupling with it the name of Lieut, Col. Gzowski.

Band, "Red White and Blue."

Liout. Col. Gzowski on rising was received with great applicase. The gallant gentle man returned hearty thanks to all present for the manner in which the toast of his health was proposed and received. He was satisfied and proud to find so many leading

men of the country, including the Premier, and so many members of the Ministry. The Colonel then gave an interesting account of the working of the D. R. A., since its organization in 1868, and the success of its members at the matches at Wimbledon. He spoke in high terms of the great distinction which Canadian Riflemen had achieved at the great matches, and mentioned in particular the name of Col. Peters, who had been selected as umpire in one of the great International matches. The Col. also spoke in very high terms of the Canadian Riflemen, and the admirabl militia system of The gament gentleman in conclusion informed his guests that there was still another confidential Communica tion which he wish d to speak to them about, viz: "that he intended applying to the Government for another grant." (Cheers.)

After the President's speech, the company adjour ed to the reception tent which was filled with the ladies of Lady Macdonald's suite. After the ceremony of presentationLt. Col.Gzowski escorted Lady Macdonald to the six hundred yard range, on which a rifle mounted on a tripod was arranged to be fired by a silken lanyard with a silver plate attached. Before the first shot was fired, Mr. Topley of Notman's studio in this city managed to take a photograph of her Ladyship and the group of officers immediately at the rifle stand. The shot was discharged and the white flug signalled a bull's eye, while the boom of a field piece of the Ottawa Field Battery announced that the first match of the Dominion Rifle Association had been opened at half past two p. m. in Ottawa. The firing for the All Comers Match at two hundred yards commenced at once and was rapidly proceeded with,

This successful inauguration of the Canadian Wimbledon at the political capital of the Dominion, is a matter of considerable interest as well as of national importance. In order to the ultimate success of the movement, it is requisite that the municipality act with liberality in the matter of providing a permanent range. As intimate ed the present range is within the limits of the city, consequently restricted in dimensions, and in relation to the surrounding property will rapidly become a nuisance, if it was not to be crossed by the railway from the Coteau Landing, now in course of construction. There are several eligible sites within all distances rom half . mile to two and one half miles from the city limits, and one or those must be chosen as a matter of necessity, they are all luckily so situated that improvements such as railways or roads, cannot detract from their usefulness, and as it is a matter of importance in every way to retain the Dominion Rifle Association at the capital steps should be taken at once to secure the necessary grounds for another range.

THE ASHANTEE EXPEDITION.

Sir Garnet Wolseley starts on the 12th of September on his expedition against the Ashantees. Ilis staff confists of Col. McNeill, V. C, second in command. This officer made a distinguisher reputation in the New Zealand war, and accompanied Sir Garnet in the Red River expedition. The military secretary will be Capt. Henry Brackenbury, K. A., who acted as distributer of the British National Fund during the late war, and who recently delivered a lecture on Army Reform which created considerable attention. The nide-de camp will be Captain M'Almont, of the 7th Hussars. The Quartermaster General is to be Major Baker, 17th Foot. The tant Adjutant General and the puty Assistant Adjutant Goneral will be Captain Buller of the 60th Rifles, and Capt. Huyshe of the Rifle Brigade. Both these officers were in the Red River expedition. The Controller is to be Mr. Irvine, who also accompanied Sir Garnet in the Red River Expedition It is worthy of notice that the whole of the Staff with the exception of Col-McNeill, are Staff College men. In addi tion to the Staff proper, Sir Garnet Wolseley takes out with him 20 officers, whose duty it will be to organize the native Fantee levies. Among these are Lieut. Colonel Evelyn Wood, son of Lady Wood, the well known novelist; Major Hume, R. E., Lieuts Gordon, 93rd; Eyre, 90th; and Maurice, R. A., author of the well known essay, and Major Russell, 13th Hussars. Nearly all the 20 officers are Staff College men. Sir Garnet will take out with him a battery of smooth 12-lb mountain howitzers. There have been many rumours of late as to the horrid nature of the climate, and the danger of sending British troops. Those who have been shocked at these statements and the fact of the return of the Himalaya with a number of men in the last number of stage of dycentry, will be pleased to hear that Sir Garnet Wolseley will not take out a single European soldier. He intends to depend upon the organized fantee levies, and also to the best disciplined of the levies of Houssas, who have already been organized as native Policemen. From the Houssas he will, in all probability, draw the gunners for his batteries and a corps of native Sappers. He will also have a corps of native pioneers to cut roads before him. His total force of natives will not exceed 20,000, and will not be under 10,000. When these men have been organized he will carry into effect the leading design with which he goes outnamely, to drive the Ashantees out of the Fantee country, and pursue them to their own capital which he will destroy. Two months will be devoted to getting the levies into shape; therefore the expedition may be calculated to set out by the new year. If, however, S'r Garnet sees, which is believe ed probable, that his object cannot be accomplished without European troops, he has allocated to him two buttalions of British soldiers, at present on home service, who will be ready to go out on receipt of a telegram from Sir Garnet Wolsely that he requires their services. These British troops on heing landed will proceed into the interior, and will head the expedition, the way being cleared by the native pioneers. The expecleared by the native pioneers. dition must be over by the beginning of March, on account of the unhealthy season.

The capital of the Ashantees is to be burnt, and Sir Garnet Wolsely expects that the gold which will be found in great quantities will amply recoup the expenses of the expedition."

The above paragraph is taken from the Volunteer News of 3rd Sept. most of the officers named on Sir Garnet Wolseley's staff is familiar to our readers, having served for great or or less periods in Canada,

THE GENERAL R. E. LEE MONUMENT

The collessal monument to the memory of General Lee which is now rapidly being constructed under the direction and skill of Prof. Volentine, will, when completed be the greatest triumph of art and mechanical skill over produced in this country. The structure will be surmounted by a reclining figure of General Lee enveloped in his milicarry cloak. The form will be finally carved ir marble, and the expression of the countenance rendered with life like correctness. In order to complete this grand monument at the earliest possible day, the Executive Committee of the Lee Memorial Association of Lexington, Va., which is composed of such distinguished men as General Pendleton, General Terry, Hon. Wm. McLaughlin, Col. Preston Johnston, Col. Jas. K. Edmondson, Chas. Davidson, and others, have authorized the publication and sale of a perfect life size steel engraved portarit of General Lee. The proceeds of its sale to be applied in furtherance of the object of this Associatian, namely: to the erection of a monument to the memory of General C. E. Lee, at the Washington and Lee University, Lexington, Va. The portrait will be sold only by subscription, through regular authorized agents, and every subscriber will receive a certificate signed by the Secretary and Chairman of the Lee Memorial Association. We commend this portrait to the public, and hope some good energetic man will secure the agency in this section in order to help on the good work. Messrs. W. W. Bostwick & Co., Nos. 177 & 179 West Fourth Street, Cincinnati, Ohio, have have been constituted and appointed General Managers of Agencies, and any communications addressed to them, for circulars, terms, and certificates, will receive prompt attention.

REVIEWS.

The September number of Woods Household Magazinc is on our table. We always have a good word to say for this publication - it is such a whole souled book-so wide swake, so lively and entertaining, yet always so chaste and refined. It is a regular little go ahead, too as comparison between its numbers will prove. We learn that the firm of S. S. Wood & Co. dissolved in March last, the "Co" (S. E, Shutes, Mayor of Newburg,) retaining possession of the magazine. and recalling H. V. Osborno (Tenoroon) as editor. So, though the publication really changed hands, it has not suffered from the management of a new publisher or editor, but under the redoubled efforts of its energetic proprietor, has gained new force and new attractiveness. Price only one dollor a year. Address- Woods Household Magazine Towburgh, N. Y.

OBITUARY OF A WESTERN EDITOR.

Ye editor set in his ricketty chair, As worried as worried could be; For ye devil was grinning before him there, And copy ye devil said he.

Oh, ye editor grabbe I his big quiff pen And it sputtered ye ink so free. That his manuscript looked like a war-map, When—take this, to ye devil spake he.

He scribbled and seratched through yelives long day,
No rest nor refreshment had he; 139
For ye devil kept constantly coming that way,
And howling for more copee?

Day after day he scissored and wrote, And slaying the whole countee; While ye devil kept piping his single note, A little more outside copes 3.

And when ye boys in ye news-room?

Hear ye noise of ye fear,

e sound of ye blow and a blasphemous word,

'He's raising ye devil' say they.

And oft when a man with his grievance came

11n, Ye editor man to see; He'd turn his back with a word of sin,— 'Go talk to ye deyil said he,

And ever and oit, when a proof of his work,
Ye proof shall be shown by my personal
cleck;
You must go to ye devil said he.

And thus he was destined through all of his By this spirit tormented to be f

In hunger and poverty, sorrow and strife.

Always close to ye devil was he

YE ETTOR DIED. . . But ye devil hved on And ye force of life's hapits we see, For ye editor's breath no sooner was gone, Than straight to YE BEVIL WENT HE.

THE DARTMOOR CAMP OF EXERCISE.

(Continued from Page, 443) SATTLE IN A FOG.

Tuesday, so far as the weather is concerned was hardly an improvement an Monday, : It had rained away for the best pars of the night, and again the field day, which was to have begumat/nine o'clock in the mooning: was put off-tiling of clock in the afternoom.
Again, slee, the postponement resulted in a
contretemps, for the cable to Marriplt Hill was either broken or would not work because of the wet, so that General Smith, having, moved guns and cavalry cless slown to the East Dertatan early hour, had to send for. them again in the afternoon, already tired with marching. The sham fight was further spoiled by the weather, which, beginning at three with a driving mist, gradually settled into rain, ending the day in as wretched a manner as could well be imagined. The battle did begin and very prettily, but after a time all was wrapped in the ruin. fog, and there was nothing for it but to sound the "Cease firing," and bid the troops make the best of their way home. The "general idea" of the sham light, was as follows. The forks of the Dart were the battle ground, and the objects of the struggle as regards Sir Edward Greathed's division was for its divided forms to affants in the divided forces to effect a junction in the face of the jeneral of the farly moreing maneuvres of the First Division, the cavalry and the Horse Artillery of the Princetown Gamp pushed along the Exeter Road to Two Bridges, the point at which it was laid down that they were to cross the stream. The Hexary or Hexarothy Camp of the First Division is about four miles lower down on the same side of the river; the West Dart. Here lay the did Dagoon halfs betterned Royal Horse Artillors Artillors Guards, half a battery of Royal Horse Artillery, a field battery, a detachment of Royal Engineers, and Louis Alexander Russell's brigade, this being the force which was to cross the rivulet and join its strength to the Princetown troops, if the enemy would per-

General Greathed has at Princetown the 19th Hussars, the other half of the Boyal Horse Artillery battery, a field battery, the remainder of the 1st Division Engineers, Colonel Wodehouse's Brigade, and Colonel Rodney's Brigade of Marines. By twenty minutes to two the cavalry and Horse Artitlery of each of the First Division camps were ready at the specified fords. The manœuvre they were to execute was exceelingly simple, and there was only one way of doing it. One of the hard roads which traverse the moors would lead the Hexworthy Corps straight to their main gody, but this road was entirely commaded by Belliver from the high summit of a wave of moorland. It is clear, therefore, that the Eripectown force must aid their brothers in arms by sending forward cavalry and artillery to seize the Tor at once and hold it while the Hexworthy troops marched in column along the road. It was a race on both sides, for the Second Division on exchanging victory was also to seize this natural fortress from where it commanded their approach and hold it, at least until they were dislogged by infantry, which was scarcely possible, could pound away at the regiments on the march. At Two Bridges: General Great sed's advanced corps waited till two o'clock should come and the umpire give the word. It was fondly imagined that at Post bridge the corresponding point on the East Dart, which General Smith was not to cross till the same hour, there were also cayalry and gues halted and another umpire waiting, watch in hand. This, however was not so. A correspondent says; "There had been a series of miscarriages and misunderstandings, and the Second Division had been in the field since seven or eight of opok; when the Hexworthy people were quietly having their breakfast they were phallenged to come out and fight by some guns olesa on the other side of the Burt. her Idedi Alexander Russell did send his Carbineers" and House Artitlery across he made a dash for Lofty Tor, a summit next. to Belliver, with the guns an escort, having a mainda to cover his march himself, and judging he made secure the contested ridges in a shorter time than his Princetown allies. Fording the stream Sir William Hamilton took the gans at a gallop up the during gaining the height in twelve minutes. Too his great disgust, Sir. William found the enemy there before him, and his dashing piece of work came to nohting. The Secondi Division were intended only to have crossed the East Dart at Postbridge, three miles up the stream, but, by some mis reading of orders, General Smith considered himself entitled to cross at any point, and had sent down these guns and placed them in read-iness close behind Lotty Torr. In short, there seems to have been an extraordinary number of misconceptions and mishaps, the whole oumulating in the bad weather which settled over friends and oes alike and put an end to the proceedings.

Another correspondent writing from Merripit Hill says .- "We have at length met the enemy and exchanged shots with him, but it would be difficulty to determine who was the victor, he or we as the thattle brdes are supreme in this part of the world other endampment, and that no outpost General Pog to wit. This enemy had rehould be thrown out. divided his force, one part being at Cumston Tor and the main body near Princetown. Wishing to form a junction between the two, he moved his main body forward, and our operations were extended to prevent this pain. It appears that whereas in fine weat coelition. It was sintended that the held there are portions of Dartmoor which fight should take place in the morning, are not a bog, in wet weather Dartmoor be

but as our foe was not ready we obligingly waited for him until the afternoon, sending to the front, however, some squadrons of cavalry and a couple of guns of artillery as outposts. In the afternoon the whole division moved off to ground previously assigned to it, and as our artillery moved up the ridge of Belliver Tor the enemy opened fire. Having guns posted just in the rear of the place mentioned, and on commanding ground, we speedily replied, and for some time the artillery duel progressed. Our horse artillery quickly opened from Belliver Tor in the right centre of our position, the greater part of our infantry operating on the left of the Tor; whilst on the right flank our cavalry were posted in order to check any advance by the main road upon our camp, which was about a mile and a half to the rear. The infantry first came into play in our centre, and the line of fire quickly extended to the extreme right of the ground taken up by the infantry, where the Tower Hamlets Militia were stationed. As the opposing lines moved forward they descended the slopes of the hills into the valley throgh which Cherry Brook runs, and were soon lost in the smoke. Rain had been falling for some time, and with it came a dense mist which effectually screened the contending hosts from each other, and also from spectators. Down in the valley could be heard a sharp and continuous fire, and the shouts of the combatants were unbroken by the boom of the big guns, the artillery being timble to see at whom to aim. At length the rattle became less, until it suddenly ceased altogether; Major General Sir Charles Stavely having wisely terminated a struggle which really was worse than a combat in the dark, the fog increasing in density and volume. Most of the troops were sork ed to the skin and it was with great pleasure that they greeted the arrival of the members of the unpires staff who brought the instructions for them to return to their encompment. Rain is still falling, and appears likely to do so for hours at least, so that it is udcertain whether not any operations will take place to morrow. Some to or three hours before the commencement of the battle an intending spectator fell from his horse at Belliver Tor, and, tumbling over the tooks was so injured that he died alm sa namediately. The deceased, who had prerightly had attacks of apeptexy, was a fradesmana and Jeffery, residing at: Chag: विवृत्त्वे।''

ANOTHER LOST DAY.

The events of Wednesday were looked for with considerable interest, as the enemy was expected to dispute the passage of the British through Princetown thy the Two Bridges Boad. The result; however was a more complete checkmate than ever. The rain and fog, which put an abrupt end to the battle of Clierry Brooks on Tuesday. continued until this morning, and to add to the discomfort it caused a bitterly keen north wester swept down the valley from the hills on the right. The night was intousely cold; in fact, the worst during the whole campaign; and as day broke: to no. better weather, Sir Charles Stavely issued biders that the troops should not move from.

As at Merripit Hill, so at Princetown. It was found to be physically impossible to men execute the manouvres which had been projected in the midst of the previous nights

comes one huge bog, of which some pieces are bad, and others worse. Under these circumstances a correspondent writes: "Sir Charles Stavely determined-wisely, if reluctantly-to order the First Division back to Yannaton, whence it came only two days ago, and where the ground was at least so hard that the tent poles do not sink out of sight. The First Div sion accordingly marched this afternoon, leaving the Marines for one night more in the slough-probably by reason of the quasi-amphibious character attributed to them. The Marines will join the Second Division to-morrow morning as the latter passes Princetown on its way from Merripit Hill to Black Tor, where the Division is to encamp for the night, probably reaching Ringmoor on the following day. Black Tor, is about three miles to the south of Princetown, and affords better campingground than most others positions on Dartmoor. The Second Division will not have to fight a battle for its encamping ground, or rather by its imposing strength will force the enemy to retire fighting from the Black Tor position, and if the weather permits there may be openings for some effective evolutions, although the affair will lack the zest of an issue doubtful until decided. The Second Division march at eight a.m., from Merripit Hill, and the enemy is to be on the Black Tor by ten a.m. Owing to its occupation of somewh t better ground the Second Division has not suffered so much from the rain and its effects as the First. A few of the tents split in the wind of last night, and one, indeed, blew away, and has not since been heard of. But the dry wind and bright sunshine of to day have materially improved the general condition. Notwithstanding the weather, two componies of the 23rd Fusiliers remained on outpost duty all night, and were only withdrwn at eight this morning. The morning was devoted to drying uniforms which had got wet through in the rain, which, with its accompanying fog, stopped yesterday's sham fight. In the afternoon most of the regiments practised. battalion drill, and it was the general comment to what advantage the Volunteer battalion appeared in this work, excelling particularly in smart and intellingent skir mishing. After the drills were over most of the regimental bands played for some time in front of their respective camps, and afforded some solace to the numerous visitors who had been disappointed in their expectations of seeing a mimic battle.'

BATTLE AT BLACK TOR.

On Thursday the spell was broken, and in spite of storm and mist, the most successful fight in the whole course of the manavres took place, At about eight a.m., the northern force advancing to the relief of Plymouth moved for Merripit Hill, the 1st Brigade in advance, covered by the 13th Hussars in front. The 1st Brigade consisted of the 23rd and 103rd regiments, of Militia, and Volunteers, the latter under the command of Colonel the Hon. Sackville West, The 2nd Brigade was comprised of the 2nd Queen's, and the 18th and 94th regiments. The cavalry brigade of the division was, as before composed of the Scots Greys and the 13th Hussars, under command of Colonel Scudamore, while Major Schrieber's and Major Ward Ashton's artillery complemented the force. counterbalance, however, the difficulties to be overcome, a brigade of Royal Marines, hitherto with the Southern Army was detached, to join the Northern force, and this of course, made General Smith numerically stronger than his opponent. General the Lord John Taylour, were ready at any Greathed's two brigades were composed of moment to extend, and go to the front.

Devon Militia, while his cavalry were the Carbineers and 19th Hussars, under Colonel Oakes. With a vigilant caralry reconnaisance, both in front and flanks, the Northern force moved down past Post Bridge on to Two Bridges, and then General Smith, taking advantage of the roads divergent from each other at this point, sent his let Brigade, under General Thackwell, away to the left. while the 2nd Brigade, under General Her-bert, was pushed on the right. General Herbert, with his brigade (the 2nd Queen's, the 16th, and 94th) skirted the North Hesary Tor, and bearing round to the right flank were for a moment assailed by some of the enemy's guns posted on an eminence near Ring Tor, but the nature of the ground rendered it almost impossible for artillery to get into commanding positions, and the light, like that of Inkerman, resolved into a combat of infantry. Meanwhile, the left wing, that is to say, General Thackwell's brigade, were pushed quietly on hy way of Tor Rye, while the communication was kept up in the centre by the Marine Brigade under General Rodney. The enemy meanwhile were not idle; the 9th and 11th Regi-ments covered his right flank, while on his left he had the 42nd.93rd, and Rifle Brigade. The Carbineers under Colonel Napier at this juncture made a flank movement along a lane which ran parallel to the front, but on emerging in the open were suddenly attacked by the skirminhers, and General Herbert's army, who under his direction had managed to creep round unseen, and completely unflanked their opponents. A reference to the map will show at a glance the extraordinary advantage which General Herbert had obtained by thus bearing away to his right flank; an advantage unseen by the enemy, whose attention had been directed to the centre and left. The marines working with extended skirmishers, and supported by half-battalions, kept up the communication with the right and left wing of our army. The ground over which the troops were now working was of the wildest and most rugged nature; huge boulders of granite set thickly together, and covered by tall ferns and foliage, as trophical in appearance as can be met within England; mountain streams dashing onwards to pour their bright waters into Walkham or the Tavy, and here and there, unsuspected by the unwary visi tor, dangerous bits of boggy land, which in a few seconds would suffice to entomb man and horse. All these circumstances rendered the movements of the relieving force somewhat slow, but subsequent events proved that the commanders were not in error as to the result, for cautiously sweeping round the King's Tor, Herbert sent the 16th, under Colonol Chichester, to extend away to their right flank, with directions to keep the right shoulder well up so as to gradually cucircle their opponents. This flank moveencircle their opponents. This flank move-ment was, beyond doubt, the prettiest piece of manouvring which has taken place during the campaigning, as so general, was the advantage won by the commander of the right brigade, that he succeeded! About two o'clock, in completely out flanking the enemy, whose left brigade, the 42nd, the 93rd, and Rifles, were caught in massed columns by skirmishers of the Northern Force, who, unseen, had completely out-flanked and enflided them. A company of the Royal Marines, which by some accident had become detached from the headquarters skirmished admirably on the extreme right, while the 94th held in reserve from the flank under the cammand of Lieutenant Colonel

the 9th, 11th, 42nd, 93rd, Eifle Brigade, and Devon Militia, while his cavalry were the Carbineers and 19th Hussars, under Colonel Oakes. With a vigilant cavalry reconnais ance, both in front and flanks, the Northern force moved down past Post Bridge on to Two Bridges, and then General Smath, taking and won his laurels on the right adventage of the roads directory from each of the same of the roads directory from each of the same of the roads directory from each of the same of the roads directory from each of the same of the roads directory from each of the same of the same of the roads directory from each of the same of t

The first division has retreated to the fermer camping-ground at Yannaton, and the diffending force are encamped near their well-won victory at Black Tor. Yesterday the division was to fight its way to to the relief of Plymouth, and unless most severely beaten, would take up its old quarters at Ringmoor.

(To be continued.)

H. M. S. Basilisk, Captain Moresby, while cruaing in Torras Straits and neighborhood for the suppression of the Polynesian labor traffic, has added a valuable fact to the knowledge possessed of the geography of New Guines by the discovery of an new port and harbor in lat. 9 deg, 30 min. S. lon. 147 deg. 10 min. E., about thirty eight miles east of Redscar Bay on the south eastern coast. The discovery was made in February when Captain Moresby, while searching for a river supposed to flow into the sea east of Redscar Bay, entered an inlet which proved to be the entrance to a magnificent harbor, with an outer and inner anchorage, to which the names of Port Moresby and Fairfax Harbor have been given. The natives are much lighter complexioned than those of the opposite coast, and are evidently of a much more friendly disposition.

Vice Admiral Edward Pellen Halsted, of the British navy, an officer well known and much distinguished in professional and scientific circles, who died recently at Haslar Hospital, England, was among the earliest advocates of the cause of the ccrew propel ler against the paddle, and by his advocacy contributed to the earlier adoption on the other side of the Atlantic of the invention which his friend, Sir F. Pettit Smith, introduced there, as Exiction did here, and in spite of strenuous but conscientious opposi. tion from some of the highest scientific authorities of the day. Naval officers recollect his various efforts at about this period of his carreer—his scheme in concert with his friend, Captain, now Admiral, Strange, for coast protection by gunboats of peculiar construction and armament arrangements; his travels to and fro to assist at any important experiment or scientific exhibitions at the works of the most eminent engineers and shipbuilders, by all of whom he was highly esteemed for his talents, zeal, and single-mindedness. His labors were rewarded with the command of the first built, full powered, full sailed British screw frigate, the Dauntless, from which ship were obtained results very important in those days of the screw's intancy. When seized by his fatal illness he was addressing to the First Lord of the Admiralty a series of letters on the Devastation class of ships, and cognate subjects. — U.S. Army and Navy Journal, Aug. 23rd.

Prince Napoleon having remarked that his name no longer figures in the Army List has appealed to Marshal MacMahon, declaring that he has a right to belong to the army, and he reminds the Marshal of his services in the Crimea, and how he commanded a corps d'armee in Italy. He adds that the last military order was signed by Marshal MacMahon. The excuse for striking the Prince's name off the army list was that he had been illegally promoted—promoted by imperial favor, and simply as the cousin of Napoleon III.

THE VOLUNTEER CAMP.

THE GATHERING A GREAT SUCCESS-A FULL LIST OF THE FORCES PRESENT.

In accordance with the announcements which have appeard in these columns from time to time the Volunteer Force in the Sixth Brigade District went into camp on the Hunter Farm, in North Monaghan, on Tuesdey last. The Camp-ground, as most of our readers are aware, is situated on the banks of the Otonabee river, about two miles south of the town, the site being a sandy flat in every way admirably suited for the purpose, The camps of the 57th, 46th, and 45th, are situated on the bank, in the order we have named as one goes down the river, and those of the 40th are pitched just to the south-west of the 45th; while the Cavalry are still further on, on the river bank, in a small field surrounded by secondgrowth timber, which affords a valuable shelter for the horses in the case of wind. To the north of the 40th Battalion, and west of the others, is an open space, which is used for company and squad drill, while on the westerly side of that again is the officers' mess; and, to the north of the Camp as thus described, is a large field which is used for battalion and brigade drill.

The "turn out," as will be seen from the details given below, although voluntary, has been joined in by the entire force of the District in a manner which proves that they are above the local jealousies which too often

mar such gatherings.

The force in Camp is under the command of Colonel D'Arcy Boulton (the senior officer present) and Brigade-Major Smith, who have their tent pitched on the bank of the river, between those of the 45th Battalion and the cavalry. The following is as complete a list of the officers and strength of force in Camp as we could obtaın :-

THIRD PROVISIONAL REGIMENT OF CAVALRY

Staff.-Lieut. Col. Smart, Port Hope, commanding; Adjutant, Cornet Ashford, Port Hope; Surgeon, Dr. Burrows; Vetenary Surgeon,—Cæsar.

Cobourg Troop.—Capt. Regan, Lieut.

Regan.

Port Hope Troop.—Lieut. C. A. Williams,

Cornet Ashford.

Peterborough Troop. -Major. H. C. Rogers Lieut. R. A. Morrow, Cornet Rackham.

Total strength, 150.

40th battalion.

Staff.-Lieut. Col. Smith, commanding; Maj. Elliott; acting Adjt. Capt. Vars; Maj. Floyed, Pay Master; Captain Van Ingen, Quarter Master; Dr. Powell, Cobourg Surgeon, and Dr. Willoughby Grafton, Assistant Surgeon.

Company No. 1 Cobourg.- Lieutenant

Richardson.

No. 2 Cobourg.-Lieutenant Company Guillett, Ensign McCaughey.

Company No. 3 Campbellford.—Capt. Bonnycastle, Lieut. Johnston.
Company No. 4 Brighton.—Lieut But-

ler.

Company No. 5 Cobourg.—Capt. Gifford,

Lieut. Page, Ensign Bourn.
Company No. 6 Grafton.—Capt. R. Z.
Rogers, Lieut. C. Rogers.
Company No. 7 Colborne.—Capt. Vars,
Lieut. A. Campbell, Ensign J. J. Camp-

Company No. 8 Castleton,—Capt. W. Duncan, Lieut G. Duncan.

Company No. 9 Warkworth.—Captain Hurlburt, Lieut. O'Nell, Ensign' Boyce. Total strength of Battalion, 350.

45rh Battalion.

Staff.—Lieut. Col. Cubitt, Bowmanville commanding; Major Deacon, Lindsay; Adjt. Captain McMurty; Pay Master,-Chri tie; Dr. Beith, Surgeon; Mr. Loscombe, Assistant Surgeon.

Company No. 1 Bowmanville.—Captain-Scott, Lieut. Krenan.

Company No. 2 Cartwright,-Capt. J. Hughes, Lieutenant S. Hughes, Ensign Fer-

Company No. 3 Lindsay .- Capt. Thirkell. Lieut, Morrison, Ensign Nugent. Total strength of Battalion, 150.

46th Battalion.

Staff :- Lt. Col. Williams, Port Hope. commanding; Maj. C. A. Boulton; Adjt Capt. Garnett, Port Hope; Pay master Capt. Howdon. Millbrook; Quarter master, Capt. Kallaway, Port Hope; Asst. Surgeon, Dr. Might, Millbrook.

Company No. 1, Pert Hope,—Capt. Dingwell, Lieut, Ward, Ensign Clemens.
Company No. 2, Port Hope.—Major Ben-

son, Lieut. Kerchoffer, Ensign, D. J. Mc-Lennan.

Company No. 3, Millbrook.—Capt. Hunter, Lieut. Wallis.

Company No. 4, Springville,—Capt. Dundas, Lieut. Walsh, Ensign McIndoo.

Company No 5, Lifford.—Capt. Preston, Lieut. Lunchburn, Ensign Hanna.

Company No 5, Janebrith.—Capt. McDermid, Lieut. Magill, Ensign Gray. Total strength of Battalion 320.

57TH BATTALION.

Staff.—Lt. Col. Poole, commanding; Major Kennedy, Major Leigh; Adjutant, Major J. Z. Rogers; Pay master. Capt. Chambers; Quarter master, Capt. Knapp; Cant. Surgeon, Dr. Kincaid; Assistant Surgeon, Mr. Black.

Company No. 1. Peterborough. - Capt. W. Johnston; Lieut. John Dixon; Ensign, Evans Bradburn.

Company No. 2. Peterborough—Captain James Kennedy; Lieut. J. H. Kennedy; Ensign Langford.

Company No. 3, Asburnham—Captain Bnrnham, Lieut. Dudman, Ensign George Rogers.

Company No. 4 Peterborough.—Captain

John Green, Lieut, Strong.
Company No. 5, Norwood—Capt. Grover, Lieut

Company No. 6, Hastings—Capt. Howard, Lieut, Mason, Ensign Howard. Total strength of Battalion, 230.

We need scarcely say that the Whistle-Wing and the cabs and busses are reaping a rich harvest by conveying visitors and Volunteers to and from the Camp, as the weather has thus far been everyting that could be desired, while the red-coat has lost none of its proverbial charms for the fair sex. On Saturday afternoon the whole force will parade through the town, and on Monday afternoon and Tuesday the Camp will be inspected by Deputy Adj't-General Jarvis, when the most interesting military movements of the week will take place,-Peterboro' Review, Sept. 12th.

The Paris correspondent of the London Times telegraphs to that paper that the trial of Marshal Bazaine will probably take place at Compiegne in the latter part of Septem ber.

CORRESPONDENCE.

The Editor does not hold himself responsible for individual expressions of opinion in communications addressed to the VOLUNTEERREVIEW.

HEMMINGFORD CAMP, P. Q. Sept. 11, 1873.

Lieut. Colonel Bacon, A.D.A.G., No. 5 Military District, accompanied by Lieut.Col. Fletcher, C.M.G., and the District Paymaster the Honorable Captain Aylmer, inspected the force in camp, consisting of the Huntingdon Troop of Cavalry, Captain Barr, and the 51st Regiment Dominion Militia, Lieut, Colonel Rogers, on the 9th inst. The 51st mustered eight full companies, and looked remarkably well on parade. The Hunting. don Troop who have been undergoing their annual drill with Lieutenant. Colonel R. Lovelace; as officer instructor. also turned out their full strength, and made a most creditable appearance, composed as they are of the stalwart yeomanry of the county, and to a man all well mount-

The commandant of the Camp, Lieut, Col. Rogers, an officer of long standing in the militia force, has paid great attention to the drill of the 51st, and under his command the necessary duties in camp have been well attended to. The tents of the cavalry and infantry were pitched in a large field kindly granted for that purpose by Major McNaughton of the 51st, and were arranged with regularity and neatness: the horses of the cavalry were picketed on the Prussian system for standing camps, rendering it next to impossible for a "stam" pede" taking place,

Surgeon Coates, M.D., late H.M. Service, was the medical officer in charge, under whose able sanitary arrangements the health of the officers and men was well cared for.

The Brome Troop of Cavalry, Captain Bright, go into camp at Knowlton. Eastern Townships, on the 15th inst., Colonel Love lace to superintend their exercises, &c.,

The following card has been posted on the office door of Jay Cook and Co., Philadel phia:-"We regret to be obliged to ans nounce that owing to unexpected demands on us our office has been obliged to withold payment. In a few days we will be able to present a statement of affairs to our credit ors, until which time we must ask for their patient consideration. We believe our as sets to be largely in excess of our liabilities."

(Signed) JAY, COOK & Co.

The suspension of Jay, Cook & Co. is only temporary and no business will be trans acten to day. It is understood that all par ties will be protected. The recent state of affairs in New York has considerably affect. ed the house. There is great excitement on the street concerning the matter, and a large crowd is gathered around the office. The suspension and the Northern Pacific road it is rumoured, has likewise assisted to drain their Treasury.