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# The Volunteer Review AND MILITARY AND NAVAL GAZETTE. 

## 

## IESSONS OF TIIE DECADE APPLEEL.

## No. I.

BT A VOLENTEER CAVALTYJIAN.

Accouparirig the articles on cavalry, the publication of which was completed last reek, is a second part, applying tho principles laid down in the first part to squad, carbine, skirmish, sabre, and pistol drill, to borsemanship, troop, and regimental drill, Jasso drill, and mitrailleuse practice. With out undertaking to publish this in dotail, wo propose to mako some extracts from it, commencing vith

Sadre exprcise and tocixame:ts.
The sabre will be the ordinary Ames blade of the present United States pattern, to bo issued as sharp as a razor from tho factory. It mill bo trorn in a scabbard of simglo black or brown leather, kept soft and supple and mithout any wooden lining. Near tho mouth of the scahbard will be an outsido sheath, to bold a small flat tablet of soapstone with a rooden handlo to act as a whetstone. Tho sabre will nlways be drawn slowiy and indiTidually before oxercise, and returned in the same way after it. It will bo wom in a frogat the maistbelt, hike the infantry swoml, and not slung. In dismounted gring it will be taken out of this frog and loft on tho saddlo in the same bucket provided for the carbino when mounted. At every haltafter along march, and overy ovening and morning, the sabre will be dramn and tested. If not sharp enough to cut hairs frem the head or sharo some off tho baroarm, it must be carefully mhetted until it will do.so.
Dismounted sentrics shall never mount guard rith sabres dramn. Either they shall carry carbines, leaving tho sabre in quarters, or they siall tako it from the frog and carry it sheathed, and at tho yort ( cide pust). Tho point, whether bared or sheathed, shall neyer bo allorred to rest on tho ground.
Inspections of sabres and pistols shall bo beld dails, to keep both reapons in condition.
Officers should consiantly impress on their commands the ralue of sharp sabres which will gash, eren in tho jands of a child, if kept liko razors, and cut men in half at tho maist in hands of soldiers of ordinary strength.
The men boing perfect in drill, the in structor commands is follows, explaining and illustrating as juo goes on. Attention to anbre exeroiso! From the right-Cocit
rouns: Fuars-linury: " Tho movements aro executed as in dismouted skirmish drill. The instructor then passes along the columns and designates tho altornato sections as "right" and "left."
Returning to his post, ho communds, "Right and left-Fre!"' 'The alternate sections will file of in opposite directions, the instructor counting paces aloud. At five paces the last man of cach filo halts; at ten paces the next; at fifteen the next; at twenty tho file leader, when tho instructor commands, "Halr ! Front!" when the odd sections pass to the front. Tho men are now stationed in a body, tho breadth of a spruad in line, and about forty paces deep, all under the instructor's eye, and having amplo room to uso their weapons.

Tho instructor now commands "Guand!", One motion. At tho word "Guard" carry the right foot two feet from the left, heels on a line, toes straight to the front, feet parallel. Bring up tho left hand opposito tho belt plate, and about six incles therefrom (bridle hand). Grasp the sabre fully with the right hand, and drop the fiat of the blade on the left forearm, edge to the front.

## somexclatcre of exercise.

Tho hand can assume just two positions in fencing, carto and tierce. All others are modifications of these trro. When the back of the hand is turned to the right or down. leaving the nails up or to the left, the land is said to bo in carte. When the nails are down or to tho right, the back of the hand up or to the left, the hand is in tierce.
Thero are four kinds of strord morements, to bo taught in tho following order: 1, points ; 2 , cuts; 3, guards; 4, parries or moulinets. Each of these movements can be giren on either side, and in carte or tierce Tho last three may combino both positions in tro motions.
The instructor explains as above, and then onmmands, first illustrating the order
Carte-Pons:-Threo motions. 1st. At the word "Point", placo tho hand aganst the breast, the sabre held horiwntalt, the edgo up, the hand in carte. Ond. Thrust out the end of tho aras and dramy lach the elborv instantly to tho first position. 3rd. Come back to guard.
(N. B. This point against right or right, rear, not much use on tho left. Best on right front. To be directed on all theso points, the insiructor oxplaining it as affine but not a strong thrust).

Tierre-Ponst,-Threo motions. 1st. At tho command "Noint," carry tho sabre, hor. izontally and cdgo uprards, opposito the right car, the hand in tierce. End. Thrust
out to the end of the arm aind inshuntly draw back tho elbow to first positiun. 3nd. Como back to guard,
(N. B. Tho strongest point. Ayalableall round the body. The men are cantioned to draw lack the ellow un making the puiat, to avoid being disarmed in action.)

Cartc aul tecrec cut and-Poncr.-Five motions. 1st. At the word "I'omt," catend the arm to the right rear as high as the head, hand in carte, the flat of the bliwe resting on right shoulder, edge to the right. 2ad. Cut horizontally from rear to front. At tho end of tho cut turn the wrist an tierce, and bring the back of the blade to the left side of the neck. S3rd. Cut horizon tally back again. At the end of the cut bring the sabro back to the tierce roint, by drawing back tho elbow. 4th. Nake tierce point. Jth. Como back to guard.
Ticrec and carte cul and-Pons.-Fwo motions. lat. At the word " Point, carry the back of the blade to the left stide of the neck, the hand in tierce. End. Cut, and como to cartuon right shoulder. Srd. Exe cute carte cut and draw back the ellow to carte point. tith. Maio carte point. Jith. Come back to guard.
iN. B. The men must be cautioned not to let the hand turn so as to cut with the flat of tho blide, a common fault. The first of these cuts is the most useful, as it eads in the strongest of points, a lierce. Tho seeond is used if you can gain your alversary's left rear, as his defence is powerleos agains: carto points at that time.)
Circle-Defend.-Threo motions. 1st. At the word "Defend," carry the hand to the right frent in carte, the sabro pernendicular: edgo right front. Carry tho guard along the whole right to the rear, turning the body to faco right rear. Ind. Turn the wrist, throw the hand abore the head, and dron the point to the loft rear, the hand in tierce, tho sabro protecting tho left rear. Carry the guard along the whule left domn tw tho left leg, and rise again to cover tha horso s head, ending by wearises it thent guardirg thu right deg. fid. Comotick to guard.
(ai.E. Inis suarid is mpregancio ail romal against cuts. It must be carefully taught.)

Carlc-Parrr.-Four motions. 1st. At the rood " larry,' rase the band in carte, tho bory beng turned toward the rught, tho elbow drawn back, tho blado perpendicular. edgo to the rear. ind. Describo a sharp quick circlo from roar to fiont downwards. tho back of the blado leading, roturzang to first position, and turn the body to the leit. 3rd. Repeat tho pariry on tho left side. 4th.
Come back to guard

T"arct-Pamis.- Four motions. 1st. At the vord "Parry," faise the hand in tierce, being faced to tho left, olbow drawn back, tho back blado loading. 2nd. Describe a quick circle downwards, roturning to first postion, nad turn tho body to the right. 3rd Execute the samo parry on the right. 4th, Roturn to guard.
(N.B. Used agninst noints of all linds.)

Tho drill being over, the instructor commands: "Form-Rasiss." At the word "Ranks," tho filo leaders on the instructor's side stand fast. All others march up alonsside, obliquing to the loft or right to do so. No. 1 shall in all cases bo right of fours in line, and this will regulato the direction of tho oblique. As tho men como up they will sheathe their sabres immediately, carefully avoiding dimming the edge. Thoy will then be taken back and dismissed.

## sutrlement to sabre enercise.

Tounsammits.-As soon as the men have learned the cuts and guards with the sabro, tournaments should bo instituted in troops and regiments as follows:
Each troop shall be divided into two parties, mounted and drawn up in line opposite each other, at fifty paces distant, counted in fours. The captain stations himself medway betireen the lines and commands:
No. 1 cight enjage-Gallop-Mancu.-No. 1 of cach party, beginning at tho right, starts ata canter, and engages his opponent on tho right sido, using an old blunted sabre, two of which aro kept in each troop. Tro helmets and a pair of eteel gantlots aro also issued to protect the heads and arms of combatants from accident. The Captain watches them closely and counts the cuts and points as hereafter described.
After two minutes ho commands, "Braak: of $\hat{\prime}$ - Narica;' when the men break of and return to their troop, cach removing tho helmet and gruntlet, to hand to the noxt man, along with the practice sabre.
The captain orders "Ne.s." and so on to the end of the troop. Tho engagements shall bo varied to left alternately, and cuts counted as follows, to includo dexterous horsemanship:
Gaining the enemy's left rear, cut on on head, thrust in body, each counts ten. Cut on the arm counts fiye; cut in the leg counts tro.

A cut on the horso's head loses twenty for the man who receives 14 , but counts nothing for the ono who gives it.

The first sergeant attends the captain with a list, and marks the counts as the captain calls them to oach man's name. If $a$ man complains of his horse belng refractory, and demands a change at the close of the lesson on account of his opponent's counting ten for a "left rear" he may be allowed to chango horses and run one course, but if ho fails to gain his adversary's left rear, he shall lose terenty marks. At the end of every six months, or at the openiag of every campaign, silver medals shall bo amarded to the best swordsman in each troop. For the regimental tournaments only the silver medalists are competent. Their contests aro limitod to ten minutes, and a gold medal shall be given to the winger of tho tournament, who shall be required to opposo with success six adversaries successively.
Any man not a medalist may enter on declaring his willingness to engage tro medallists at once, but on no other terms.

All regimental tournaments will take placo in a hollor square of the wholo regiment.

TIE VALUE OF UNIVERSAL TRAINING.

## (From the London Spoctator.)

We firmly believe that military training for a singlo yoar, or cven for half a year, would elevato the British people more than any other chango which could by possibility be introduced by legislation-would bo equivalent in all good effects to five years of ordinary cducation. It would, to bogin with, immensely increaso their piysical power. Trielve months of rogular and full diet, porfect sobriety, and moderate work in the open air would increase the weight of ordinary town lads, by one-third, and of country lads by one-fifth, would widon their chests, strengthen their muscles, and induco thnt babit of health which town men find it so difficult to gain and villagers to lose. During that porrod they would learn to walk, to carry themsolves, to obey orders and give orders promptly and quictly, to act in concert, and abovo all, to rely upon the action of their follors. Cleanliness, self-respect, and self-restraint would become habits with the very lowest, and the first principles of civilizution, order, mutual respect, and the possibility of self-sacrifice mould be carried to the bottom of our society, to those classes whom all our cforts have hitherto fuiled to reaci all classes serving alike, the respect of all for cach other must deepon, and, as wo find in the volunteors, good feeling tako tho place of the suspicious dislike which arises only from ignorance. Every camp would be a school ior the practical virtues, and there is no reason whatever why it should not also bo a school for education in the ordinary sense. We should have got hold of the peo ple at last, and might as reasonably insist on attendance at the evening classes as at the morning drill. If the systom were wisely worked, as it would be, for the father of every lad instructed wouid bo an elector, the lads, so far from losing anything, cither in time or money, would go array far stronger, healthier, and abler, as much bet ter fitted for the battlo of hfo as an educated man is better fitted than a boor, yet rithout the effeminacy of hahit which some men fear as $a$ result of universal education. A man docs not cart muck the worse because ho has been drilled to walk instead of slouching, becauso ho is a man instead of a lout; nor will he work less effectively at a trench because he understands hov easily men can under certain rules be made to work together. The moral gain would be something indescribable. Thero is no reason whatever why such a camp should not bo a mell-ordered home, in which drunkenness, or unchastity, or insubordination rould bo as infamous as theft or cruelty now is. Tono can be spread in a camp as in a great school, and the wiser part of English philanthropy would concentrato itself on the county camps as its natural field.
The gain to the individual rould be inestimable, nor rould the gain to the State be less. The manhood of the kingdom rould not, as in Prussia or France, be wasted in military service. but every man would be competent to defend the country, would understand what soldiership meant, would be in a position to decido whether the professional life would sait him. He would have lived tho lifo hinself under iw lest condi tions, and tho rejult would be, we feol cer tain, such a supply of "recruits" that the whole of our burbarous system might be swept arway; tha men enlisted, as officers are enlisted, for as long as they aro willing to serve, and disnissal made, as in every other trade, a sufficient penalty tor any of fence not requiring tho intervention of a
culty of getting mon is ono chicfly of our own creating. Eight shillings a woek and "all found" would give us the control of tho wholo unskilled labor of tho kingdom, and cost us less even than that wo wasto in the departments-would bo in fact only $£ 2$, 500,000 a year in mages for ovory 100,000 men and non commissioned oflicers, a sum quite within our means. Imagino terms like those offered among a people who already know all the disagreeable part of a soldief's training, who would need nothing but practice to bo solid soldiers! England would bo as safo as Prussia and as powerful without a vast standing army, and without any now temptation to go to war. The military chiofs talk very wisely of the necessity for an elastic system ; but what elasti. city could be equal to an army of say, 100. 000 men. which could be doubled ina week by tho introduction of men individually as well trained as they need to be, twico as well trained for example, as two thirds of the men wbo followed Wellington at Waterloo, and which in the ovent of invasion, could only rely on successive drauglts from the whole population.
But oven in England, with our extravagant ways, the cost of an army fuliy equipped and ready for service ought not to exceed £120 a year per man, or six times the amount of wages given to themen themselves. Notning but mismanagement, can bring it above that figure, and that allors $£ 12,000$. 000 for the regular army. The eountry training schools, on the other hand, need ing neither separato departments nor separate scientific service, ought not on the highest calculation, one even extravagantly hugh, to cost more than $£ 20$ a head tor sux months drill. That is to say, able admins trators intent on thrift, if backed by the people and supported by an etiquetto or a law postponing marriage to the mature age of nincteen, would givo us a system of de. fence that would placo England beyond menace from the rorld, that would make us once more a great power, and that would civilize instead of demoralizing the people for the very money wo are now expending in order to accomplish so little.

It alsays affords us peculiar pleasure to record any incident connecied with that glorious episode in the military annals of Great Britain-the defence of Canada in 1812-15. We give the speech of Colonets Jarvis and MacLean in reply to the toast of the "Army and Navy," with which tho names of thoso gallant veterans wero connected, on the occasion of the presentation of colors to the 50 th Stormont and Glengarry -Battalion of Active Militia, on Dom inson day. Our readers will remember that Lieut.Col. Jarvis has furnished tho Vor, cateer Revem with reniniscencos of the war; that it mas at his suggestion "The Battles of 1812-15" wero published in its fourth volume from the official reyorts, and that they are indelted for miny valuable papers on mallary sub jects to his pen. The same gallamt heart beats beneath the judge's ermine as under tho subaltern's scarlet, and the gallint com rades toll their story with the modesty so becoming in the true soldier. Licut. Col. Jarvis said:
"I have to thank you, Col. Bergin, and the gentlemen present, for the honor you bere done tho Army and Navy in drinking this toast so cordially and heartily. The Nayy
docs not now occupy the samo position as it formerly did, for they havo no competitors. England rules tho waveu, and they (tho Navy) have not had the opportunity, for many years of meeting a worthy foo. Tho deeds of former years are still fresh in the memory of a gratefal country, and on their behalf I thank you. The deeds of the Brilish army are known in overy quartor of the globe. In Eurone, Asa, africa and America, havo thoir deeds of valor bcen written in letters of blood, never to bo elficed from the memor: of $a_{2}$ steful country. It always happens that tho British Army are in the minorty in point of num bers ; they have alvays to contend with 14 foo superior to themselves. In the war of 1815, we nover thought, unless, the enemy were three to one, we had any reason to bo afraid of the issue. Notwithstanding all these difliculties, what great deeds have the not aceomplished. They havo stood against superior numbers on the rocks of their native Island firm and immoveable. Eaglishmen, Irishmen, and Scotchmen, shoulder to shoulder carried the day at
Waterloo. The samo undaunted spirit made them conquerors in Iuda, the Crimea, and Abbysmia. To have ny name coupled with the British Army is too great a compliment. It is true that 59 years ago I entered tho Nilitia of Canada as a volunteer, and served as private, corporal, and sergeant, and sub sequently, in the month of September, I entered tho regular army and served till I reached the rank of Lieutenant, when I was phaced on half-pay, not willingly, but from heavy reductions that tools place after the peace of 1515 . Though $I$ was present in all the actions that took place on tue Niagara frontior, in the war of $1512 \cdot 13$ and 14 , yet I have no right to the great honor you have conferred in thus coupling mo with that noble body of men. I may remark before officers that I know during the war, only nine to my knowledgearo now living one of these is Col. Mclean, nor sitting near me: Col. M. MeDonnell, late Warden of tho Penitentiary; Col. Gugy of Qnebec;
Col. Sewell of the same place; Col Sathersson of Perth, and myself making up six out of the nine. Tho remainder are Colonel LeCoutre. now first Aide de.Camp to the Queen; Lieut-General Ball of the Sth Regrment, then a captain; and Sir Edward Morris of the $49 t h$ Regiment, norv Lieut.Gencral. then also a captain. You see. Sir, Te have all athined in banada to the rank of Licut. Col. upon which rank we havo retired. I cannot sit down without remarking that I am still an honorary captain in your Battation, having been clected to that positon by the officers and men of No. 2 Com. pany, by whom I was presented with a My threo sons served in the same Company at the time of the Trent affiir. Ono is now Captain and Adjutantof the $\because$ nd, or Queen's 0 Oisn Rifles at Toronto; the other is a ser. geant in the Trinity Collego Company of tho same battalion, but will shortly resign, as he is now to be asoldier of the Cross. Innfortunately, my cldest son is inc-ppicitated from further services by illness; he has at tained the rank of Lieutenant, so that I and my family have all composed part of your Rattalion. During the rebelifion I raised four troops of Dragoons, and attained the rank of alajor. Subsequently I was appoint. ed Lieut.-Col. of the Lst Battalion Stormont Mihta, from which I retired retaining my ramk. I again thank you most cordally for the honor you have done mo gentlemen (Wheers.)"
Colonel Mlltean said :-"ix had no idea of
being called unon to make a speech, but I cannot decline when my name is coupled with that glorious British Army to which 1 had once the honor to lelong. I am prond Sur, to be present with you on this occasion of which the counties had reason to be equally groud with yourself. I am now $\operatorname{sn}$ old man, but I teol the spirit strong in me as when I volunteored in 1812, and when I. for many a day and night, patrolled the banke of the river; and it necessity should de mand it, I feel that I would do far service yet against the same foe. I feel proud of the Silitia of Canada and of its hustory. No men ever behaved more nobly; and I look back with pride to the pirt I bore in it. I saw a good deal of service during the late American war, and was severely wounded at the first attack on Oiggenshurg, where we woro repulsed, tinough thank Cod, I was ablo to continte my duty and take part in the second attack when wo wero successiul. I was, after that promoted to a commission in the Rogular service, and continued in it untal the end of the war. Uur legiment was sent down to Newfoundland to recruit, and shortly after tho war, was disbanded It camo to this country from England over six hundred strong. and when we were dis banded, wo were only five officers, and not quite sixty men- not all of these were fit for service; and of the ollicers I am the only one alive. The militia of the present day, will I feel sure, emulate the Militia of that day should, unfortunately, the occasion offer, and I know. that these colors, Sir, will suffer no disgrace in the hands of tho men of Stormont and Glengarry."

There is little fear with such a splendadrecord before them that the men of the present day will disgrace their predecessors. Judge Jarvis's address to the battalion is a model of its lind.
"I did not expect to mako a speech on this occ asion. I interpreted the resolution passed by the County Councal invitug me to attend, as a compliment to a veteran who had soen some service in the wir of 151\%. I also put the sane coustruction on your invitation, Col. Bergur ; however, I never refuse to say a few words in fiavor of the Yolunteers, but an unconsidered speech is hardly worth listoning to. The Warden and Council have done themselves honor in con ferring this honor on you and your Battalion -honor to the Council in encouraging the military spirit of our young Volunteers in the Counmes, and honor to you and your Battalion for the zeal and efficiency displayed by pou all since the formation of the corps. I have no doubt it will infuse a grenter spirit into tho minds of yourself and the off. cerr, non commissioned officers and men, to attann to stlll greater efticiency. You will all resolve to defend these colcrs with your lives. No greater disgrajce could
befall as Battalion than to surrender their befall a Batalion than to shrrender their
colors to an onemy. They aro to servo as a rallying point in the hour of danger, and "foul fall him" who will turn his back on them at such a period. Remember that theso colors are a sacred trust placed in your keeping-no encmy must be pernitted to place a sacrilegious hand upon them. Taero is a feeling of veneration which overy true soldier bears for the Colors of his Regiment -let that feeling bo conspicuous in yours. I remember when the 2 nd Battation of the Sth Regiment, to which I was attached, in 1515, was reduced. There was a religious feeling manifested with regard to the dosti nation of the Standards under rihich we had fought in Cruadia, and under which so many
many had rendered up their lives in defence of the country. Tho Colors would be boxed up and sent to the agents in London, who would depostt them in tho Horso Guards; they would never see the light again; they would be colfinc, but not buried; they would bo caten by noths,-somo indignity might happen them. Botter that they should bo burted and their ashes committed to the ground, than thus dealt with. It was ac cordngly decided at the mess table, the last tume we dined togother, that they should bo cut into strips, each oflicer to reccivea strip, and the rest burned and buried in the par ado ground, where the troops of the Garrison of Coletrorth Barracks, at Portsmouth, would, for all time to come, at lenst thl wars should cease, and the lion lie down with the lumb, pass over them in review order. They sould at least be ia mulitary, ground, and be guarded from disturbance. 'Ths was done, and the piece of the Regimental Color, which I now produce, formed a part of them. Permit mo to relate another circumetanco which took place at the battle of Lundy's Lane. Uur Regiment was next to that of the S9th. The battlo was continued from 3 p.m., of the 25 th July, 1814, thll late at night. A report came that the Soth were hard pressed by tho enemy, and that their Colors were in danger of being captured. A messago was sent to offer assistance, and this hatughty answer was roturned. "Tho 89th are able to defend then own Colors." This havghty reply would, I am assured, be returned by your Battalion under similar circunstances. "The 59thare able to dofend their own Colors." 'Theso are circumstances of which I am personally able to certify, and I feel justified in relating them upon the present occasion." (Cheers.)

Canadian Gold.-The Halifax Recorder publishes a statement showing the results of the gold mining operations in Nova Scotia for the first three months of the present year. Whether or not the yield is in excess of that of former years tro cannot say, ns no comparison 15 m ade in the figures. It is clear, however, that the work pays, and that the gold mines of Nova Scoth are of very considerable vilue. In the table before us, mention is mule of ten districts in which miming is carried on. In these cen districts noarly thirty quartz mills are in active opera tion. During the first three months of this year there were crushed about 60,000 tons of quartz, yielding a total of over $5 u w 0$ ounces, worth, in round numbers, slw, viw. In some instances the yield was vory sm.ill, only, a lew grains to the ton; while in other instances it rras as high as six or soven ounces to the tun. It is sadd that the mines aro payang har.dsomoly, in nearly overy case, though the process of extracting tho gold from the quartz is very expensive, and can only be carried on by companies having a large capital.
Deatir min tue Casip- -jrany of our citizens will regrot to hear of the death of Sergt. Dale, of tho London Fiold Batiery, which took place at the camp in Goderich yesterday morning at eight as related in the telegram of our correspondent. Ho was well known in this city in connection with tho furniture warehouse of MIr. George Moorhoad, and was highly respected for his amiable qualities. Ho has been for some timo in dolicato health, but yot felt quiet strong enongh on loaring to encounter tho hard. ships of the camp. Ona day last meek, how ever, he was prostrated by sickness, and neyer rallied. His ago was 25 yoars. The remains left Goderich yesterdag mozning for interment in St, Mary's.-Iondon Frec Press.

## THE VOLUNTEERS

To the Edttor of the Gitobe.
Sir,-I deprecnte the handling of militia matters in a political or partusan spirit. Our $r^{-t i o n a l}$ defence, and the organization of our constitutional force for that purpose, should bo common to all shades of political creeds, mithout distinction of party, and should bo discussed without roference to party lines. It is difficult to carry out this important point in a newspaper argument or outside of the force; but $I$ am proud to say that in the volunteer force, where "Fossil 'lory" and "Clear Gril" olbow each oiher, I have never heard the guostion of politics raised, or the condlion of party discussed, where tho interests of the forco were concerned, While I respect "Tinanuck's" undoubted military attainments. I decidedly object to his manner of handling the sub ject. I object also to dis defining tho duties of chief officers in the selection of their stanf. What we want is the best men, let them come from whence they will, and I feel sure that yo Canadian volunteer will feel a jealous tbrill at the mention of tho names of McDougall or Wolseley. I havo never had the honour of serving Her Majesty as a "subal tern" save in the volunteers, but I will not confess to any jealousy of thoso muchscorned "subalterns" shen they aro good men and suited from their cilucation and antecedents to assist in promoting the effi ciency and well being of the force, and I think it narrow minded in "Kanuck" to confess to such feelings.

To come, however, to the consideration of the more important question. I hold that the "volunteer forco" as at present constituted is not an adequate provision for the defence of the country. Putting aside the sentimental stand point which the word "volunteer" affords, the common senso vior of the matter is as follorss :
Imprimis-lt must be granted that evory man, between certaiu ages, is liable to contribute towards the national defence, either by bearing rms himself, or, under certain conditions, by furnishing a substitute.
The present volunteer organization does not fullig these conditions, for threo vital reasons, viz:
First,-Becauso the burden is distributed unequally-resting on tho few who have sufficient loyalty to offer themselyes for this service, mad who at tho same time contribute an equal share towards the national revenue as do those who aroid or refuse to carry arms.
Second, -Because an adequate force for the protection of the country cannot bo roised as volunteers. The voluntecr spirit is confined to fer in comparison vith the arms-bearing population of the country. These fert have, in many cases, served three or four times as long as required by laws, and have thus deprived the country, in case of need, of the serfices of trio or three trained men.
Third,-Because, where tho voluntary pranciple exists, the burden of raising and keeping together a corps fall upon its officers, who aro obliged to use conciliatory and popular measures, to the detriment of discipline and derogation of their position as oficers in order to maintain their corps in an efficient state.
Mrany other reasous may bo quoted. The privilege of leaving a corps at six months' notice for any trivial or fancied grievance. The question of uniforia, that io, tho impos
sibility of obthining recruits to wear old or innlf:worn uniforms. tho question of pay; which is inadequato for a coluntary servico. The sclection of officers, which must bo guided at present rather by tho influes:co than tho efliciency of tho man. Tho question of expense, which is at present a heavy bur den upon tho officors alone, and which should be sustained by the country which benofits by their services; and many other equally well grounded reasons, which spaco will not allow mo to mention.
These cvils have been long recognized by the officers of the volunteer force, and sug gestions were made to the Minister of Mili tia on the passage of tho Militia $\Lambda \mathrm{ct}$, from a mecting of commandin, officers of corps, by which the constitutional forco of tho country would have been placed upon a proper basis. But for reasons which are inscrutnble, ho ignored the results of their deliberations; and only now consents to a step which, had it been taken at the timo it was proposed, would have given the country a real army of , 40,000 men instead of their shadors upon paper. Without for a moment decrying the lorce assembling at Niagara, Goderich, Kingston and Lapraitie, I have no hesitation in saying that it was a sham, brought together ly the exertions of the officers of the losce, and whichas soon as tho camp was over would fall to pieces, and "liko the baseless falric of a vision, leave not a irreck behind." To outsiders this may seem a wild assertion, but in confirmation of its truth I appeal to my hrother officers.
Briefly-as a cure for these ceaseless fictions contained in the annual reports of tho miitita, and which cause our system to be lauded by tho English papers as worthy of imitation, but which, like their own, is rotten to the core, wo want an active militin, to be raised by voluntary enlistment,-by vol untary enlistment and ballot-or by draft if necessary. Compulsory service of caroled men for three years; at the expiry of that term to form the first-class resorve, retaining clothing and arms for that purpose; being discharged at the end of six yoars from fur ther service, until the whole of the active force and first-class reservo are exhausted.
A direct tax to bo levied upon all not actually bearing arms, for the support of the militia.
Twenty-ono days' paid drill annually, seven daysat company headquarters, at such times as aro most convenient, and fourteen days in brignde-camp.
The appointment of none but qualified officers.
The establishment and training of an efficient staff, upon whose efforts and efficiency so much of the comfort and usefulness of the force depends. For this purpose a staff college should be inaugurated.
The organization and development of an efficient transport service, commissariat, medical and engincer staff, with the neces. sary equipment.
All this would undoubtedly cost money, but I havo yet to learn that the Canadian people will refuse to sanction, to a properly devised, efficient, and trustrorthy militia system suited to the constitution of the country, that aid which is neccssary to carry it out in a creditable manner. On the con trary, tho goacrous manner in which County Councils supplement the Government grauts for these purposes, show that the loyaliy and parrotism of the country is not at fault. It is when they see the mal administration. the nepotism, and ineficiency of tho present system, that they cry out, and properly so, rgainst the waste and mis-application of the publio funds. Here the Minister of Miltia
ignoring tho remonstrances of tho "mou. tons" who fear to bo forece to take their sharo in the national dofenco, the spirit of the country would bo with him. without re ferenco to political tendenciey or party plat. form.

I am, Sir,
July 12, 1871.
our obedient servant,

## LITIIO-FRACIEUR.

During tho late war the Germans destoyed tho usetulness of many captured French cannon, which they could not carry amay. by blowing of their muzzles. Tho explo sive 1 anterial used is called litho.fracteur. A series of experiments lately conducted in England with this compound establishes ito tremenduous nower nud its comparativa safoty. The claim is put forward' that it is absolutely harmless uniess intentionally ex. ploded, but experience will probably modify this claim. litho fracteur is a patontod com pound, consisting of nitro-glycerine, gun cotton, the constituents of gurpoisder, int fusorial earth and other substap;eps. and makes a white pasto. A quantity of at was burned slowly both in tho open air and en closed, to shos its safety from fire. A bos. containing fivo pounds was thrown from: height of tive hundred feet and struck unon a roch. The cartridges were broken open and saittered, but did not explode. On the other hand, when exploded by a percussion fuse and cap, its power was tremenduous. Placed on a block of stone in the open ars single cartridge, weighing less than two ounces, split off tiro large wedgo-bhaped pieces of stone. It was tried in quarres wilh very satisfactory results. Ten car tridges, weighing in the aggregate a little moro than a nound, placed in a holo bored vertically four and a half feet deep, dis. lociged fmore than trventy tons of rock. The iron rails of the double headed pattern, fous and a half feet long weighing seventy-fire pounds to the yard, were laid one above the other on blocks of stone in the open air, and a cako of litho-fractour, weighing one pound fivo ouncls, placed upon it was exploded. The rails mero completely broken in tro. Tho experiments wero mado to demonstrato the safety of the compound in transportation even when an accident occurs to a raiksas train. Tivo cartridges were fixed to the wooden buffers of a car, which was permit ted to descond at full speed an incline of one in eight, nearly a third of a milo, striking with terrific force nnother car stationed at the foot of the incline. The concussion merely scattered the compound about the cars and rails, while it smashed the tro cars to atoms. The same oxperiment ras repeated with the use of iron buffers, and the result was a plight explosion which destroyed only a infinitesimal part of tho litho fracteur and mado a sound no louder than would be caused by striking is percussion cap with a hammer. Again, a quantity of the material was put upon the ralls and the car passed over it at a frightful speed wi.hout injury. It seems to be settled by these experiments that the nets explosite has at least some points of superiority orer any other yot discovered.

Military:-The Eardly Infantry Com pany arrived on the "Queen Victoria," hat ing completed their torm of annual drial at the Laprairic Camp. Tho Company nuan bered forty stalmart, strong, and hearty looking men, good samples of what our Canadian army is composed of. The ma jority of the company left for home on tho 11th.

## FOREIGN NAVAL AND MILITARY ITEMS.

Prussis is stated to haye given out an order for two new ironclads of great strength but comparatively light draught.
The French Versailles Governmenthaving declared their inability to meet the pay ments exacted by Germany, the German Correspondent directs the attention of $M$. Thiers to the following reply addressed by the first. Napoleon to his brother Joseph, who complained of his want of money, and urged Napoleon to have mercy upon Spain, and not eatirely exhaust the country. Na. poleon remarked: " 11 se plaint de n'avoir point d'argent. Pourquoi n'en a-t-il pas? Il yen a en Espagne. J'ai tiré un milliard de la Prusse. Il ne m'aurait pas été diff. cile d'en tirer deux de l'Espagne. Allez.'"
It appears from the War-Office return that last year the British Government received \& $£ 9,000$ from the sale of commissiuns, and that amount has been placed to the credit of the military reserve fund. So small an amount has not been received for nearly twenty years. The total sum received since the operation of the plan, commenced in 1851, is $£ 1,712 ; 829$. The fund is now and has been for many years past applied chiefly to buy up the commission of supernumery and half-pay officers, to reduce cavalry prices, and to reform the corps of Gentle-men-at-Arms and Yeomanry of the Guard.

The new British mutiny act contains one important alteration-section 2 is wholly omitted. This section provided for the branding of deserters with the letter D, and and of soldiers discharged with ignominy with the letters B. C. (bad character.) Clause 117 of the Articles of War also deprives courts-martial of the power of marking men. This abandonment of a degrading punishment is the direct consequence of the reform. Henceforward, too, "any soldier may be tried for desertion without reference to the time during which he may have been absent;" and the time (twenty-one days' absence) which bas hitherto distinguished "desertion from "absence without leave" is-thus effaced.

May 4, a number of experiments were made from H, M. S. Audacious, stationed at Kingstown, under Lieut. Boyle, R.N., in the presence of the officers of the ship, several scientific gentlemen, and a number of ladies and gentlemen. The first torpedo, containing about eighty pounds of gunpowder, was lowered and exploded at a depth of twenty feet, causing the water to rise nearly fifteen feet above the level of the tide. The second machine, with a cansister of twenty-seven pounds of the same quality of powder, had the effect of creating a revulsion of somewhat more than half the extent above named. The explosive power used was the pile battery, which is composed ot zinc and copper plates, with flannel beds' saturated in vinegar and water.

With reference to the reported failure of some experiments made with Captain Harvey's torpedoes at Portsmouth, the Globe says: "We feel justified in stating that these failures were owing to the employment of a very slow gunboat to tow the torpedoes. A good performance might as well be expected from a gun improperly mounted as from a torpedo improperly towed. No doubt the expriments which were so successful at Devonport would have failed had the vessel which was first proposed by the Admiralty been employed. It is really too bad of the Admiralty, in spite of the objections which
have been urged, to persist in using vessels whose defective speed renders them altogether unsuited for mancuvring with torpedoes."

The Berlin Militair Wochenblatt tells the following story of German strategy: "On the 5th of January, Rittmeister von Kaisen. berg of the Fourteenth Uhlans was on the outpost at Bucquoz very near the enemy. Two companies of the latter going towards Ayette passed so near that the vedettes were obliged to withdraw to the village. Kaisenberg then stationed a number of Uhlans behind a thicket and told them to fire rapidly with their pistols. The salvo was fired at a distance of 800 paces from pistols and one Chassepot gun, which was all the squadron then possessed. The enemy stopped-infantry they had nol expectedand desisted from an attack, so that the squadron rested safely that night. The stratagem succeeded once, but its repeated success would be doublful."

According to official acccounts, without reckoning the capitulation of Paris, the report of which has not yet been published, the whole booty taken by the Germans during the war in France amounted to 1.0 eagles, flags, and strondards, 2400 field guns, more than 4000 fortress guns; 11,669 officers and 363,326 men were detained as prisouers of war in Germany, besides whom the garrison of Paris, 170,000 men, surrendered, but were not taken to Germany; 84,000 French soldiers were interned in Switzerland, and 600 in Belgium. In the campaign of 1866 , exclusive of the results of the capitulation of the Hanoverian army at Langensalza, 13 flags and standards, 208 guns, and about 49,000 prisoners were taken; while the entire captures made by the French army in the Italian campaign only amounted to 3 flags, 26 guns, and about 16,000 prisoners.

Professor Abel, clemist th the War De partment, Royal Arsenal, Woolwich, has after a number of experiments succeeded in perfecting the new explosive agent recently produced by him under the name of "picric" powder as a means for charging sheils, which, though it is not so violent in action as gun-cotton, nitro-glycerine, or picrate of potash powders, is a much more, powerful explosive agent than gunpowder, and has other properties which sppear to render it peculiary adapted for use in shells. Its merits are that it may be readily and expeditiously prepared, and that it is remarkable for its safety as compared with all other explosive agents, being so much less sensitive to ignition by percussion than gunpowder. The president of the committee on explosives at Woolwich having pronounced the new powder worthy of further experiuent, it will be tried under various conditions in order to ascertain its suitability to the requirements of the service.

Prince Bismarck recently spoke in the German Reichstag against a resolution calling on him as Imperial Chancellor to take more energetic measures to enforce the cluims of Germany against Portugal, for a vessel illegally seized and condemned at Praia, a small port in the Cape de Verde Islands: "The German Government," he declared, "do not believe they require to exculpate themselves for declining to despatch iron clads to foreign ports for the purpose of backing reclamations of their subjects which are before the law courts of those countries. It requires nothing less than a firm resolution to turn everything to account that can be alleged against a government to npproach it with not coming to the aid of its countrymen and clients by
threatening with its shells the judicature of another State, in an action that has lasted, if I may trust my memory, five or six years, and is not yet ended. Similar suits, in which our compatriots do not doubt that they are right, are pending in the courts of nearly every foreign country from America to Russia; if it were insisted that we should second every pretension advanced, by means of ships of war or battalions, we should have to go great lengths indeed."

A correspondent of the World, in a recent letter from Pesth, Hungary, says that a couple of months ago in Pesth one heard nothing but hatred expressed towards the Prussians nnd the new German empire, but now there is a complete change, and they are making all sorts of enthusiastic demonstrations in favor of the "hordes of Attila." What is the reason? The solution is probs. bly to be found in the recent interchange of friendly sentiments between the Sublime Porte and the Czar of the Russias. As you already know, the Sultan has sent the most friendly invitation to the Czar to visit Constantinople on his way to Palestine. The Austrian papers are in a great state of alarm about this. The general argument appears to be that what Russia can't accomplish by arms she will accomplish by diplomacy, and the day which sees Alexander of Russia in Constantinaple as the guest of the Sultan will also be the last day on which Austria may hope to have any influence in the East. Austria alone can do nothing; therefore she must conciliate the new Teutonic empire; but this idea seems to have occurred a good deal sooner to the ruler of the Russian empire.

The Throne of France.-Two hundred years have elapsed since a son succeeded his father on the throne of France. It was in 1643 that Louis XIV. succeeded his father. Louis XV. Great grandson of Louis XIV. succeeded in 1715; and he, in turn, was succeeded in 1774 by a grandson. Louis XVI., who fell on the scaffold (with also in the same year, his Queen, Marie Antoinette) Louis XVII., titular King, remained in prison after the death of his parent, and there perished miserably at the age of 10 . Napo. leon Bonaparte died in bonds and exile, no son of his succeeding. Louis XVIII., brother of Louis XVI., was placed on the throne by the events of 1714-s slipped off after Elbaand slipped back again after Waterloo. On his derath in 1824, his brother, Charles ]X ascended the throne, and reigned till 1830. Then came the Citizen King, Louis Philippe, (descended from a younger brother of X[V.,) who survived seven assaults on his life ; and went off in an open boat in 1848, as "William Smith."

Bigger Still,-A new Wellington gigantea or ' big tree," forty feet and four incbes in diameter, has been discovered lately near Visalia, Southern California. This is thick. er by soven feet than any other that has yet been found. A section of one of the "big trees," is now exhibited in Cincinnatti, which is seventy-six feet in circumference and fourteen feet high; and, standing on the floor of the hall, it gives one a particularly clear idea of the enormous size of the tree from which it was taken. The section was cut last year in the Mariposa grove, about two hundred and fifty miles southeast of San Francisco, and far up the western slope of the Sierre Nevada mountains:. It was divided an 1 hauled a hundred and forty miles to Stockton, on three waggons by seventy joke of cattle.

## CORRESPONDENCE.

[The Fditor does not hold himself responsible fir indictetual cxpressions of opinion in commumt cations adidressed fo the Voluntiecil lhiview j

## FROSL MUNTREAL.

## (BY OUR OIFS CORLESPONDEAT.)

The Camp at Iaprairio broko up on the 12 th inst. Talsing all in all there is no doubt but that tho heavy expenditure bas pro duced satisfactory results; the training in the way of dill and disciphno was strict without being severe, tho l"ath a s ates and $^{\text {and }}$ regulations for the camp being carred out to the Intter.
Some grumbling was occasioncd by the non-arrival of tho necessary guantuty of blankets ard tents at the first go oft, and some littlo confusion was at irst occasioned in procuring the requisito guantity of rations, the latterdue to a great extent to the ignor ance of regimental quartermasters of ther duty; but tho very best feeling and unani minty prevailed, and matters wero soon regulated. The camp was cude: success, and many have been the valuable lessons thus taught to the volunteer the he might have remained in ignorance of for years. The staff and officers worlied like Trojans: all impressed with the idea of mak. ing the most of the time; the hours of dill and exercise were strictly adhered to, and complete military discipline was established.
The men wero peaceful, orderly, anu well behaved, there was no drunkenness or riotous behaviour, no insubordination, and but fer causes of complaint. Col. Osborno Smith and staff bad personal supervision of the camp, and rodo seve al times each day through it for personal inspection. The men settled down into camp lifo with cheerful. ness, and though the who.e thing was new to nearly all of them, they soon adapted themselves to their several positions.
The volunteers richly merited the deserved enconiums of Sir George Cartier, Sir Hastings Doyle, tho Adjutant General and others; but there was noticeble, however, a great deficiency in drill, and even the sixteen days training hardly brought many up to the mark, they having yet a great deal to learn, and need a good deal of practice to enable the lessons they have been taught to be of any permanent bencfit to them.

The health of the came was execllent, little or no sickness, the only two deaths resulting from accident, one being shot acci dently and the other dromricd.
A greatimpruvement is yel uceich ataung the officers, I allude chetly to those of the country battalions; they are lamentably de. ficient in drill, some lcing esen awkirard and ungainly.

Officers appointed provisionally ought before the expiration of one year's service to be examired as to what thcy rally do, know, a regulation such as thes would act as a stimulant to many, who knowing it to bo compulsory mould surely learn, and post
themselves up in something. Some of these oflicers are incapable of giving a word of command properly, and are less fit to lead a company than many of their own men. Another matter, officers should njt bo onti thed to their grade till they aro dressed accordangly: several carried no swords, and others only half drossed had uniforms by no means complete.
Tho Eardley Company was perhaps the best drilled and disciplined corps at tho camp. they aro a splendid body of mon, and them muvements aro hike clockurik in precision and accuracy; they everywhere got great praise, and the writer never saw movements better executed than by them. This effictency rellects groat credit both on themselves and ther olficers.
The brigade commanders, Cols. Charles Fing, Fletcher, and D Orsonnens, materially assisted by their individual exertions in maintaining the discipline of the camp. Col. Harwood having left on sick le.ve soon after camp was formed, the whole duties of the trigado devolved on Col. DUrsonnens, who was well equal for the emergency, and though he underirent a sever domestic bereavement, in whech he had tho sympathy of all who knew him, he never shirked his duty a day.

Capt. Stevenson's artillery proved their excellence, being well drillerl and officered. Everyone would rejore if tho Government would do something tomards providing horses for this splendid battery; the only one that Montren possesses. The Cavalry, four sydualrons, under command of senior officer Major Burwash, turned out very creditably.
The ground being excessively lumpy and uneven, they did not get fair play. Capt. Muir's No. 1 troop of Montreal Cavalry caused the groatest attraction. They are well uniformed, and mounted under such good officers as Capt. Muir, and Col. Love. lace it is no monder they are thoroughly disciplined.
I must not omit to say a word of praise of Sergt. Thomas Boyes, who as staff orderly clerk performed his duties in such an admirablo manner. Ho is by no means a now hand, and his long experience entirely fitted him for the position he occupied.
A worl or two of censure might be said on the precipitate manaterin whilh the men left the camp, without packing and deliver. ing equipage and stores in a proper manner. Tents in many cases wero bundled into sachs without littlo regaid as to hore they weat in as long ats they rent, Llankets were thed up in all sort of ways and manners, and the bundles had all to be re-opened by the came, yarartermasters yersonally after the men had gone array and recounted.

No fatigue parties were left belund to assist in handling and checking stores, and the regimental quartermasters generally rughed through tie business in order to bo off with their men. In tho hurry and confusion instances occurred of tent bags filled
with straw, pin bags with old bottles and sticks being handed in, and from the Prince of Wales Regiment, soveral bags wero returned crammed full of old shakos they had discarded for the new scotch caps fur nished them.

There is no doubt but that a good deal or ${ }^{\circ}$ valuablo experience has been acquired all aromd, and if next year wo have another camp, the provious experience will be valu able.

Univorsal satisfaction was occasioned by the payment of the men before leaving camp. The arduous duties of Major Hynd man, and Capi. Brehaut, district paymasters, were performed in a thorough and efficient manner, and to the satisfaction of all.

The camp was not without its amusements, ganmes, songs, social meterchanges, zaces \&c., filled up recreation time.

Major Hyndman assisted by camp quar termaster Battersby, Capi. Laurio and others gave a grand instrumental and vocal concert in the Town Hall, Laprario village. the evening previous to the breaking up of carnp, funds applied to charitable purposes.
The encampment at Lapraire hiad amongst others, this one excellent effect of making the volunteers, both rank and file, acquainted one with tho other, and many were the soc al greetings and expressions of good rill and friendship interchanged.
The encampment could not have cost the country less than $\$ 190,000$, and but fow will doubt but that the money was well applied. What is now anx:ously looked for is the draft, and the sooner we get it the better, it has got to come, being merely a question of time; the people must know that the gor. ernment are in earnest in its endenvours to creato a well disciplined and reliable mintia.
At a meoting of the council of the Quebec Rifle Association heid on luesday, it was decided that the annual matches of the As. sociation should take place on the 15 h of August, and succeeding days. Lieut.Col. Fletcher, Major Worsley, Nessrs. J. Esdaile, and George MeDougall were appointed a sub-committee to make all necessary arrangements, and draw up a programme.

Sergt. Massoy of the Victoria Rifles has been presented by his friends with a testimonial accompanied by an address setting forth his uniform kinduess white m canp.

Persomal.-Amongst the uficers of the Active V. Militi: Force, whose exprtione have contriluted to the success of thr ? prarto Camp, the name of Major $\mathrm{II}_{\mathrm{y}}$ Ladiane, Instrict Paymaster for No. 5 Mihtary Dio trict, deserves placing on record. This very efficient ufficer by his courtesy and attrn tion, has giren general satisfaction, his prompt payment and settlement of all claims presented to him has been atteuded with the best tesults to the officers, 1 mm commissoned ufficers and men of the differ ent corps, with whom lis daties have brought him in contact.-Comsudionted.

## GENERAL ORDER.

Mend.Quanters,
Camp Lamamee, July 12h, 1871.
Onderi No. 1.
Tho Officer commanding the Camp at La. prairio desires to express to the officers, non. commissioned officers and men of the staff, and of the various corps composing it, his high appreciation of their good and soldierly conduct during the period of their encamp. ment. Ho belinves it is not too strong $\Omega$ statemont to assort that no body of men of thoir numerical strength, (consideraby over five thousand,) drawn together from so large an area of country, and composed of such a diversity of raco and creed, ever encamped together with such nn absence of cerme and vico, or evidenced moro amenability to disclpline, and desire for instruction in soldiering.
The duties of the command, though, of courso, arduous, wero lightened by tho uncoasing oxertions of tho staff and of officers commanding corps, and it must be a source of gratification to them to know that by their aid one of tho greatest difficultics, viz., that of the transport of the troop3, not only to and from their respective headguarters to tho Camp, but, on the occasion of the Revior, from Laprairio to Montreal and back, was surmounted without a hitch or accident.
While thanling the officors of the perma. nent Militit: Staff who attended the camp for their oxertions, Licut.-Col. Osborne for their wishes also to record his sense of the valuablo aid afforded him by those officers of the Active Militia Forco who voluntecred for duty on his porsonal Staff; to Lieut. Col. Gillroor, of the -2nd "Qucen's Own," and lieut. Col. McKay, of the Montreal Garrison Artillery, who respectivey acted as Assistant Adjutant-General and Assistant Quarter-master-General to the Divisional Camp. his thanks for their valuable support aro warmly tendered; Licut. Col. Moore, as Camp Quar. termaster, and Cupt. Thay and Lieut. Wicksteed, as Orderly Officers, were of the greatest assistanco; whilst Major Dowker, as Sup. ply Otifer, has fairly earned not only the thanks of the Commanding Officer, but of the whole Camp. for his untiring exortions in carrying out his duties, rendered, on sev eral occasions, by acciden al circumstances, more than usually dificult.
It is much to bo regretted that at an carly period of the Camp severo and sudden illness deprived the Division of tho valuablo services of Lieut. Col. Harrood, Deputy Ad-jutant-General oth District; tho duties of bis Brigade were, however, carried on in an energetic and soldierly manner by Licut.Col. D'Orsonnens, who succecded to the command.

Although ivo fatai accidents (occurrences almost inseparsible from large assemblages of troops) havo to bo deplored, it is a matter of much thankfuluess, and of surprise, that there was not a single death irom diseaso during the period of training, and that, with the exception of a for simple cases, sickness was almost entirely absent: ihns, in a great measure, must le ascribed to tho assiduous conduct of tho Mredical ufficers in carrying out sanitary measures for the prevention of epidemics.
In relieving the officers and men from their duty at the Camp, the Commanding
Offeer desires to wish them most heartaly faremell.
(Signed,) W, Osborne Ssitu, Lt.Col. Nep Adjt. Gen. Nilitia No. 5 Military District, Commanding Drvisional

## CLIMATE OF THE LAKE REGYON.

The climatic influences of vast bodies of salt water, liko tho Atlantic and Pacifio oceans, havo long been understood. The effect of small inland bodins of feesh water in averting early autumnal frosts lats also been genorally remarked. Bat, as beforo intimated, meteorologists do not seem to havo observe 1, till recently, that great lakes, liko Lako Dichigan and Iako Superior, exertan influenico in deflecting the isother. mal lines which is quito comparable with that exerted by the great oceans themselves.
These lakes, in truth, are no inconsider able represontatives of the ocean. Lake Superiol is 400 miles long and 160 broad, with a mean depth of 985 fect. It has a superficinl area of 32,000 squaro miles. The State of Massachusotts might stretch hersolf out at full length and batho in its waters. Even then thoro would be room enough for Rhodo Island at her feet and Connecticat at her head, with Vermont stretched along hor right and New Eampalire on her loft. You may tako all Now Eugland, excepting Maino, and hide it bodily beneath tho waters of this single lako. Lako Michigan is 360 milos long and 10 S broad, with a mean dopth of $901)^{\circ}$ foet and a superficial area of 20,000 squaro miles. You could sink in this lake the three states of New Jorsey, Delaware, and Maryland. Lako ILuron, with a longth of 270 miles and a breadth equal to that of Lako Superior, has a mean depth of 300 feot, a superficial extent equal to that of Lako Michigan, and would swallow up the whole kingdom of Denmark, including the duchies. You may embark upon a sea worthy steamer at Chicago and travel for thirty hours without a gight of land; and after having passed the Straits of Mackinac, and entered Lako Superior, you may steam for two days more without reaching superlor City or Duluth. 'lhe voyage from Buffalo to Chicago around tho lake is a thousand miles; from Buffalo to Duluth is eleven hundred miles, or threc-fifths the distance from Vewfoundlind to Ireland.
The majesty of tho tempest is litulo less on the lakes than on the Atlantic, and the low perretual moan of the breaking waves along the beach transports the imaginative listener to Iong Branch or Nahant. During a summer day thoy breathe, like the ocean, a cooling atmospluere on overy shore, while at night the direction of the breeze is frequently roversed. These are our interior land and sea breezes. To complete the analogy, our great inland seas exmbit the fluctuations of $\Omega$ diminutive but genuine lunar tide.
It is impossible that such enormous masses of water should be materially ele. vated above the mean temperature of the year by threo months of summer weather, or depressed materially below it by three months of winter. The land surfaces in the same latitudes attain far greater extremos of cold and heat than tho lakes. Two reasons exist for this: First, watery surfaces absorb and radicato more slorvly; and secondly, the continued stiring of the waters by the sinds mixes the surfice temperature through a depth of several hundred feet, while, on the land, the entire effect is confined to a superficial zone of about seventy to ninety feet. Tho normal mean annual temperature of the land in the neightorhood of Milwaukee is $44^{\circ}$, and this should ho about the mean temperature of tho water of Lake Michigan. In summer the Milwauker mean rises to $5^{-1}$, while in winter it sinks to

in summer only to $46^{\circ}$, and sinks in vinter only to $40^{\circ}$. Winds from the lako, therefore, partaking largoly of the tomperaturo of tho vator, mustoxert a matorial influonco in equalizing tho temperatures of sunmer and winter. Still more, in cases of oxtreme weather, when the land tomperaturo rises to $95^{\circ}$ or sinks to $30^{\circ}$ below zero, must tho ampliorating influence of such a vast body of water, holding itself steadily at a somewhat uniform temperature, bo mos! conspicuously and most beneticently experienced.
There is one cause of the mild tetapera. ture of deop lake waters during tho cold season, whth probably has been very I.:tlo considored. Lakes Michigan and superior are nearly $n$ thousaud feet in depth. They reach down toward the internal fires a distanco which, if measured through the solid crust of the earth, would bring us a very considerable increaso of warmth. Upon the land the influence of climave changes does not extend, on tho average, to a greater depth than eighty feet. Beneath this wo experience an increaso of temperature amounting to one degree for every forty-five feet of descent. According to this law the terrestrial temperature at tho bottom of Lake Xfichigan should be increased eighteor degrees. Were thero no mingling of the deeper and shallower strata of the water: this increaso would exist. This amount of heat, nevertheless-wilh some abatement to which it is not necessary to refer-distributed through the entire dopth of the water, must produce no inconsiderable elevation of temperature in the general mass.
During the winter, thenefore, Lake Michi gan may bo regarded as a great natural stove holding and radiating the heat absorbed during summer from the solar fires, eled out by an unfialing accession of heat from beneath yielded by tho resorvoir of igneous force imprisoned withn the earth. When, on a stinging wintry morning, we behold the stenm ascending from the whole surface of the placid lake, we witness an analogy to the vessel of water steaming over our household fires, which is more literal and more striking than wo had dared to imagine.
Such vast and eficient compensators of climatic extromes, situated in the interior of continents, rescuing broad areas from the wasto suprenacy of summer heats and wir. try frosts, seem like internositions of Proridence to adapt the norld to tho bodily necessities of ats inhabitants. Such beneficent equalizersareall great lalies ; and such, most strikingly, aro thoso vastseas strevn through the midst of the lands which were the home of the eariest representatives of our racetho Mediterrancan, the Black, and Caspian seas.-Prof. A Winchell, in Harper's Magazinc for July.

The great work undertaken by the city of Chicago some threo years since of deepening tho summit line of the Illinois and Lako Michigan Canal is nenrly comploted, and tho water of Lake Michigan will soon run into tho Chicngo river, thence into the Lllinois river, and so down the Mississippt to the Gulf of Mexico. One result of this 1 mproveraent will be, a constant renovation of the Chicago river, heretofore so foul and unsavory, by a current of puro water from Lake Michigan. A further advantago will bo an increased facility of navigating the canal. It is not expected that any perceptible lowering of the level of the great lakes will bo effected the new outlet being of insignificant capacity compared with the Niagara ruver. which has never as yet sufficed to drain of tho Lakes faster than they are filled.

## Volunteer Review

 And Military and Naval Gazotte.
## VOLUME V.

## 1871.

ryile vorunteen review enters on the Afth year of its existonce. Whan it was frat projected feats were entertalned for its ultimate stuecess, as two eforts ur a slmalliv kincl hind deen mado and falled for want of support; but wo are haphy to say these feass were grombless, amt that the Volusteer Review may now be sald to be itrmly established, thanks to tion cupport th has mot with from the lands of the Volunteer Force of the Dommion. It now clreulates largely throngh Ontarlo, Quebec, Now Rrunswleli. Nova Scolin, and even thonew Province of Minnitob; has oxtended its generous support. Nor is it conthed to these Provinces only, but in the Mother Country, and even the ËnitedStates It has subseribers and supporters. No other Journal in tho Dominton has so whe and oxtended a circulation as tho Volunteer Review, and thereforo it offers unpartaliedid factities to general nelvertlsers. Otr terms for advertislag will be found llberal on application, olther persomally, or by letter post paid.
Tho Voluntener Revien whll be supplied to clubs at tho usual reduced rates, viz:
Cress of Fiveand uprards whll be supplied at $\$ 1.00$ per annum 10 each cops.
Clubs of Ten and uprards at the samo rate, the getter uz of the club to receivo one copy frce tor one year. Payment strictly in advance.
No Volunteer omeer can bo well posted concerning the condition, movoments, and prospects of the Force unless he recelves the Volunteen Kevizw.
We number amonsst our Correspondents and Contrlbutors some of the ablest writers on mill. ary subjects in Amorlca.
Fulland rollablo roports of Rifief Matcires, inspectrons, and other matters connected with the Force appear regularly in our Columms.
$A G E N T S$.
Liveral terms will bo offered to Adjutants, Initructors, aud others who act as agents for us in -heirseveral corps.
ir.-Col. R: LOVELACE, is our Goneral Agent for tho Provinces of Ontario and Quobec.
Mr. RUGER IIUNTER for that of New Brunswlek and Nova Scotla.
Remittances should bo addressed to Dawson Kerr, Proprietor Volunteer review, Ottawa.

## THE VOLUNTEEK REVIEW

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Communfcationsintended for insertion should 00 written on one sido of the paperonly.
Fe cennnot undertake to return rejected comanuleations. Correspondents must invariably send us conndentially, their name and address.
Allletters must bo Fost-pald, or they will not ve taken out or the Post ome.
Adjutants and Omcers of Corps throughout the frovinoes aro particularly requested to favor us regulai, withweeklyinformation concerning the movemontsinndioings of their respectivecorps, praftice ec.
Weshallicolobliged tosuch to forward all intormation or this kind as oarly ns possible, so hat
may reach us intime for pablicution.

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AND MILITARE AND NAVAL GAZETTE.
"Unbrlbod, unbought, our swordswodraw,
Tocuard tho Monarch. Foncothelaw."
Toguardtho Monarch. foncothelaw."
OITAWA, MONDAY, JULY 21. 1871.
The Xontroal Daily News makes this im. portant announcement.-" It is confirmed that the Marquis of Lorne and the Princess Louise will arrivo in Canada about the com. mencement of autumn and will visit the United States. Official notice of the visit is about to be sent to Washington, and it is said that tho Princo Aloxis of Russia will arrive at the same time."

Tue present period may be very justly called the period of shams. There is a sham patriotism which indulges in one ceascless howl on the misdeeds of the party in porer. Thero is a sham sentimentality which whines about the sorrors of the poor. There is a sham religion which consigns to eternal per. dition every individual differing from the solf.constituted elect: There is the old sham piety which discovers the mote in a neighbor's cye, but canmot percoive the beam in its orna. There is a sham charity which seeks to arenge old grudges under the guise of public spirit, and a sham selfabnegation remarkable for a propensity to acquire the possessions of others. Individu ally those falso pretences pervado society
to an alarming oxtent, but they aro aggra. vated by being condonsed and embodied in the newspaper litorature of the day. The Universal Growler serves its renders to all those transparent humbugs under the som. blance of patriotism, socinl order, moraliy, benovolence, and loyalty. Its columns are open to their incarnations through tho purest of motives, and a very littlo acguain tanco with tho working of the system will show the end to bo gained individually and collectively is the same, the governing motive being a close, cloar and undivided at. tention to the intercsts of number ono.
In humble imitation of its greal prctolype the Backwoods Grumbler pipes its mournful ditty on the decadence of public morality, the waste of public money, the extrava. gance of over-pnid, ovor-fed, and bloated officials, the vast services, which could bo effected if Mr. Brazenface and the copper lottoms wero in power, and the terrible ovils inflicted on socioty by their exclusion there. from.

Barofaced and shameless as these protences are they pale before the want of principlo ovinced in putting them beforo the public as serious subjects for consideration. A nomspaper that opens its columns to the griovance and misrepresentation of every scribbler is guilty of a great offence against socioty, becauso it allows garbled statements for personal purposes to so before the peo. plo, misleading the puu. $=$ mind as to the true issues at stake. As far as mere party politics are concerned this would probably amount to very littlo either way-ovils nentralize each other; but thero are vital in. terests concerned in which tho whole well. being of socioty is involved, and in relation to which misrepresentation is a downright crimo.

The most delicate mechanism of a. State is the relation the military eloment therein bears to the body politic. In other countries it has been and is the source of danger as woll as safety to society. In Great Britain the evil has been neutralizod by tho actual separation from the civil element in society, and by the practical disfranchisement of the class set apart for military duty. Its army was thus a mere machine of tho Slato for a special purpose, and beyond that it was not allowed to meddle. Dissevered from poliii callifo it was almajs sinco the revolution under control and kners nothing beyond its allegiance and duty.

In Canada we have got to solye the jrob lem of the relations betreen the civil and military elements in social politics in a dif ferent manner, because we cannot afowl to sot aparl a class of professional soldiers; with us the civilian of to-day must be the soldier to-morrow, with the absolute certainty of becoming the civilian again within a very limited period. A man inevitally be. longs to some political party and will carry his prejudices to the atch firc: Nor will this make him the wC so soldier, so long as
thoso foolings aro permitted to run in tho ordinayy channols, but onco allow thoso projudices to be aroused by inflamablo appoals to somo party prinoiplo and the man becomes a dangor to the Stato as woll as to socinl order. Is it not therefore incumbent as a paramount duty on the press to refrain from discussing questions comnected with our military organization in a partisan spirit?
Thers is one rulo which should be steadily appliod to all communicalions on military matters, and that is, to doclino insorting anything calculated to effect disciplint. A grievance stated in fuir and gentlemanly terms always claims attention nad merits regard, but whero it is mado the veliclo for senseless abuse of superior olicers it demands contempt.
Judging from the number of communica. tions on military affairs which have appearod in leading journals, the succossful experiment of the camps of instruction has been pretty well criticised, and with one re-sult-the utter inability of the would be crilics to find a vital orror in the arrange. ments or the system. And it necds very littlo military ability to understand how totally incompotent they rere to undertako the task.
[t is hardly nocossary to remind our readers that it is not yet three years sinco tho Canadian army was organized; that no other conntry has tried the experiment of creat. ing a military force by voluntary service; that thomoney placed at the disposal of the Jinister of Militia did not exceed $\$ 1,000,000$ and that the LIouse of Commons restricted oxpenditure with a rigid parisimony which left litlle chance of devoloping except by slon tegrees the force to the proportions the importance and interests of the Dominion demanded; that its units are barely learning olementary knowledge, and that it is only by carefully watching its progressive requirements that it can bo mado a perfect organization adapted to the social condition of the country. Those who have ciosely studied this most interesting experiment aro conviaced that it is a wonderful success. that its trals have proved the truth of the pmociples on which it was founded, and that the much abused Militia will is in reality the best, most statesmanlike, and comprehensire measure over devised for the organizition of an armed people.
Within a month some 20,000 men havo been under arms and encamped for a period of sixteen days. What aro the complaints? It is not charged that there wero deflicient musters, or that the company drill was bad, the offieers momined or acglizen:, or the men without diselphine. At one camp the "men did not learn somethis: new every day," at mother "they had sour Lread;" at athird "here was deficiency of blankets," bramse a greater force musterad titun aras called for. We think that uadio the circumstances the Camaduan army is not totally disorgmized yet. Une gentic mon abuses the Adjutant-General for a want of technical
lenorledge-the latter being a soldier of the regular army of twenty-six years sorvice, the critic being a Volunteer officer with the extensite opportunities attached to the position. Another, ovidently being a hungry apothecary, starts oil witha general condem. nation of everything and everybody, including tho Minister of Militia and tho Adjutant General, and winds up his howl with a whine about the want of jalap and squills, the absenco of which threatens the oxistence of the force, according to the sarliko galley. pot. As long as fools are allowed to rush whero angela foar to tread such nonsenso is harmless. But its serious aspects are that leading journals expouso the views of these charlatans, and illustrates the sham theory by afiecting to belicuo that the country is overbudened by its military system. Ono journal has it that the voluntary system is by far the best, but it should be better encouraged if necessary, of which it entertains gravo doubts, being a faithful believor in Gladstono's millenim of peace. Anothor bolds that it has failc. antugether and must be replaced by the ballot. Like all extremes both viess as urged without any consideration for the interests of the country aro false. The volunteor organization so far has stood every trial and mot overy requirement, but it may be matter for setious consideration whether the timo has not come for calling out aud training a larger proportion of the people than can be reached by the voluntary systom. A very able letter on this subject has appeared in the Toronto Globe of the 14th instant, over the signa. ture of "Centurion," and with the excep. tion that he falls into the very errors he deprecates in others, that of treating the question "in a prejudiced manuer." With a singlo missstatement he treats the real merits of the case so sensibly that we give it insortion in another column. It is much to be regretted that a portion of the officers of the force in Ontario should so far permit their unjust and unfounded prejudices to warp their judgment as to allow no opportunity to pass without disfiguring their "communications" with insolent remarks on the Mmister of Nilitia, when their own chances of being remembered by posterity will consist of the not very reputable fact that tley libelled one of Canada's greatest statesmen. Eratosthenes has had many imitators, from the style of "Centurion's" letter he should not be one.
With respect to the Volunteer force, it has been a good a:id effective organization. Under it more than double its numbers hare obtrined a fair knowledge of the use of the rifle and disciphace, and it is not true that it is a mere paper force. Such assertons disfigure "Centurion's" letter, and one to be regretted on many accounis. The Milatia Bull provides for any contingency which may arise, and of the Adjutant-General Leleves the efficiency of the force can he increased by the application of the ballot
try it; but its operation must bo general and no substitules allowed. Tho grand principlo to bo kept in view is tho fact of the necessity for a military force, and to mako that eflective overy man capablo of boaring arms should bo trained. At the samo timo the interests of the country would bo best sorved by leading journals abstaining from using so-called militnry brievanees for politi cal purposes, and refusing to recognizo communications containing open or covert alj, 1 ders involving direct breaches of disciphne, encouraging its most dangerous enemies' disappointed ambition and persomal egotism.

Niwaramen controversy is at all times a most unsatisfactory modo of settling any question, especially mvolving personal considerations. It is a course to which we never willingly resort, but as other parties aro mtorested, in justico to their interests wo must reluctantly raply to a letter which ap peared over the signature of "Kanuck," in the 'romento Globe of the 14th instant, addressed to "The Editor of the Velurteere Review," in which the writor takes us to task for ascribing to the Adjutant General the organization of the Canadian Atmy, asserts that the Voncemeer Review is an organ of that distugguished oflicer, tries to raise an issue between him and mother distinguished boldier of higher military rank; asserts what is not true respecting our action towards both; charges the Adjutant-Genoral with refusing to Volunteer officers a higber rank than heuten ant-Colonel, and sets himself up as a fit and compotent judgo of the tactical knowledge of that distin. guished soldies. It is quato useless for "Kanuck" or any one else to challengo a notorious fact of history. Tho Nilitia Bill became las on the list of October, 1568 ; under its provisions the preient force has been organized, any previous organization was merely provisional. In ascribing to the Adjutant-Gencral the credit of working out with rare skill and aioility the provisions of tho militia law, the Volesteer henew did not detract from the merits of any other officers, inferentially, or otherwise. But it is open to question whether the well-meming efforts of over-zealous friends like "Ka nuck" would not produce that effect.
And we beg leave to assure him that the Review is not the organ of the Adjutant. General, the Militia Department, tho Ministry, the Volunteer force, nor cven of "Kanuck " himself, in the sense of being a tool in the hands of any individual. The conductors feel that a grave resnonsibility attaches to them, and that it is their duty to keep personal, ambitions, and local political issues from sapping the foundations of discipline in the force; that the interests of the country are before those of mere individuals, and that a writer who allows himself to speok contemptuously of superior officers is guilty not only of an error of judg. ment but, if a soldier, cf a grave and unpardonable breach of discipline.

If "Kanuck" had caretully read the last "Report of the Adjutant-General on the State of the Militia," he would find it recommended that all the Deputy Adjutant-Generals should have the rank of Colonel, and whatever service those gentlemen belonged to formerly they are to all intents and purposes Volunteer officers. His letter on the whole is a mere carping criticism without any real or substantial basis, and harmless except for the animus. As the Globe has a large circulation it is calculated to give the public an untrue idea of the real facts at issue, and was one of the most weighty of the reasons which induced us to notice it at all. The question now arises as to "Ka. nuck's" capacity enabling him to pronounce judgment on the Adjatant-General's tactical abilities. It is well known that skill in that department of military knowledge is acquired by long practice alone. We have never yet heard or read of the "! prize baby" whose first lispings were words of command to deploy quarter distance columns into line, except perhaps "Kanuck" was that lucky individual ; and until he can show that his term of service has been as long and continuous as that of the gallant officer whose conduct he so needlessly and severely criticizes, the Review will beg leave to demur to his conclusions, and as the Volunteer force could get only himself and "Galleypot" to exhibit the disadvantages under which it is alleged to suffer, the members must be very apathetic or well contented, and those gentlemen are only airing their own personal grievances. We would seriously advise "Kanuck" to remember the "Knight of the Rueful Countenance," in his celebrated essay of arms against windmills, and avoid a like fate. In the heyday of youthful impulsiveness a tilt against anything or everything is all very fine, but the mischef done must be considered, while the gallant Don may after all only be play. ing the roll of one of the Tooley Street tailors.

Mr. Cardwell's Army Reform Bill has dwindled down under strong compulsion to the abolition of purchase; having obtained that with difficulty the Whig-Radicals appear to be in the position of the individual that won an elephantat a raffle, they do not know what to do with this good luck, it has become a regular nuisance. Already fears are entertained that the mode of appointment to commissions and promotion in the service will be open to far greater evils than ever in its worst time afficted the purchase system. "Take care of Dowb" has been long a party cry ; it is not, however, one Dowb the new system calls from the "vasty deep" of nepotism, but thousands. The pure and immaculate Whig-Radicald propose to make appointments to commissions in the regular army by selection, based on confidential reports. This monstrous proposition is too absurd for even the Broad Ar row, the sworn enemy of the purchase sys.
tem, to swallow, and it stand aghast, as well it may, at the prospects of the army in the near future. Confidential reports simply means a system of favoriteism, espionage, neglect of merit, and every vice which can render the system to which it is applied rotten to the core. In future the higher ranks will be filled with the friends and relations of the party in power, the lower with all their parasites and tools. It is an eminent example of the beauties of Whig-Radical rule-powerful to tear down and destroy, but utterly powerless to clear away the rub bish, not to talk of reconstruction. Their folly and imbecility bas made the problem of national defence one of the most difficult England has ever yet been called upon to solve; and with her superabundant population, immense resources, and insular position, it ought to be one of the easiest. Her army is a thing of the past, her navy is fast tending to the same end-her only hope is to get rid of the Whig-Radicals and arm her people en masse, allowing neither substitute nor exemption.

## NEWS OF THE WEEK.

Ir is said that Sir F. B. Head, the well known Lieutenant Governor of Upper Canada during 1838-39, is the author of "The Battle of Dorking," a production that has damaged the Whig.Radicals more than their organs care to confess, and they have endeavored to counteract it by an extravaganza of a kindred description, in which the navy plays the principal part without a mistake of any kind. The Army Reform Bill has been sent up to the Lords, where it is sup. posed it will meet with stiff opposition, although Earl Derby has declared himself in favor of the abolition of purchase. This may not amount to a great deal because the Conservative party has not recognized him as its leader, and we have yet to see how the matter will end.
Mr. Foster has brought in his Ballot Bill, but the Liberals proposed so many amendments that Gladstone had to declare the government pould stand or fall by it, a threat which at once brought them into line, -a fact which would go a long way to prove to our contemporary, the Toronto Globe, that there are moutons in other counfries as in the Dominion.

The Crown Prince and Princess of Prussia have been on a visit to England. It is said that it has not been pleasant, the Lorne marriage probably having something to do therewith. H.R.H. the Prince of Wales and family are to pay a visit to Ireland, as also the Princess Louise and the Marquis of Lorne.
H. M. ship Agincourt has had a narrow es. cape, having been aground some hours on the Pearl Reef off Gibraltar;; last accounts state she was got off after unloading guns, coals, etc., above 1000 tons. A fatality appears to be attached to those large ironclads -can it be possible that their great length
makes them unmanageable in a current and difficult to steer at all times? It is a disgrace to the mechanical science of the age that an effective and reliable steering apparatus is a desideration not yet attained. The propeller is not a perfect method of propulsion nor will it be till it steers the vessel by the same effort.

London mobs are getting unruly and will have to be put down ere long with a strong hand. The honest and hardworking man should receive all sympathy, but the scoundrels that prowl round great cities like London under that disguise merit chastisement and require the strong arm of authority to keep them in place.
Mr. Tom Hughes has been displaying his Yankee-phobia before some of his constituents, and ahove all places in the world, has selected Chicago, the modern Sodom, as the subject of his enconiums. His flattery has been so gross that even the United States papers cannot swallow it. But Mr. Hughes is one of a class unfortunately too common in England, whose slavish admiration of democracy is both the danger and disgrace of their country. Those people influence the press, and the utterances of the Times are a fair sample of what degradation they they can stoop to. If they choose to swallow the traditional peckful of dirt at one meal and make it a bushel full it is their own business, and no one need trouble themselves about it.
The bullion in the bank of France has increased $7,000,000$ francs since last week. The financial affairs of the country appear to be in a comparatively prosperous state, the national securities commanding a higher price than those of the United States for the simple reason that France has always honorably discharged her liabilities, neither permitting repudiation to be talked of or argued over as a policy.
Rioting is reported to have taken place at Nice, and the magazines at Vincinnes exploded with some seyere but unknown loss of life, the result of carlessnes.
Gambetla has taken his place in the chambers, and made his explanations. It seems he is a conservative-whatever that means. It is a pity that those irreproachable patriots did not use their exertions after the defeat at Sedan to support the Empress Regent, and save the country from the disasters which followed thereon. It is pretty certain that one and all intrigued with the greasy mob and its leaders till they were swept away by the Communist revolt. We may hope for the interests of humanity that France will be speedily not only recon structed but resuscitated; but neither event will happen under Thier's rule.
There has been sharp debates in the Spanish Cortes on Cuban affairs. It is said 30,000 men will be sent out there to repress the rebellion, and this action is taken as an answer to the United States' offer of buying it. Hard on this comes the intelligence that the United States and British Ministers
at Madrid are both in London with Lord Granvillo and other Yankeo worshippers in Council．It looks as if pressuro would be applied to Spain in order to coerco a sale of the Queen of tho Antilles，and that the Jranchester School is to io made the tools in the transaction，having a matural aptitudo for $a$ bargain．Is this the inaugu－ ration of a nor poiicy？
The people of New York aro exercised just nors over the 12th of July riots．It formed the text of the following Sunda；s sermons－one of the preachers going so far as to say what was tantamount to the con－ fession，that the slaughter of some 150 peo． plo saas a cheap price to gay for the preser－ ration of lar and order．It will naturally strike the reader that the proper enforco－ meat of law in the first phace would have in－ surcd the order，without any such sacrifice． But the peculiar institutions of the United States prove themselves to be without lam， and inapplicable to any settled stato of socicty，and only to one rbich can right itself by occasional whole－ sale slaughter．The adrocates $f$ annex－ ation had botter tako this hithe lesson to heart．Meantime the Irish element，so important and usefulat elections，aro brood－ ingorer their defeat，and doubtless take the earliest opportunity for vengeance．The nens of the wreek may bo condensed，as far as the Cnited States is concerned，into the usual numbers of murdery，stabbing affairs， lyabing，shooting，and miseellancous sen－ Estions．
The erent of tho period in the Dominion resolves itself into the return of the troops from Red liver and tho final disbunding of the last remnant of the Expeditionary force －men who descrved well of their country； and who rould hare receired the thanks of the loouse of Commons it they had not in an cril hour allowed themselves to be made the tcols of a party clique．On Friday tho 1th instant，the last detachment of tho focen，consisung of $\$ 3$ officers and men，un－ der coimmand of Major Wainmright，arrived in Toronto and thefinsl act os disbandment mas consummated on the lith．Surgeon Codd returned hero on the 9014 ，and Guar termaster Armstrong on tho 19 nd．
The Camps of Instruction being for tho present matters of history and their value being fully proved，the criticisms of tho Fress sheir，what tho present system mants to make it perfect；but they also shom a great desl that tho soldice does notmant and could not have in actual campaigning． Fosinatance，what $=$ mountoftranspert rould to required fora force that mouid allow erery soldier tro pairs of blankets，an india．rub－ ber floor cloth to each－tent，with a suficient quanlity of stran to mako the reen comfort－ able，or that rould caablo tho soldier to bare fresh eEss，butler and milk，with hot akes for his bremiffast．Fict those extrara． gences and morso aro gravely detailed loy country napers as requisites for camp life．
Tho Trimbledon tarn hare been signalis．
ing their prowess in Scothnd，from which they managed to tako prizes of over $£ 100$ ． At tho West of scolland Artillery and Riflo Association＇s annual competition，whill opened at Irvine on 23 ral June，they man－ aged to stand as follows：Small horo com． pefition，June 20th，open to all comers，at $600, \mathrm{~s}(1)$ ，and 1.000 yands at each．The sec． ond prize．a magnolia camp cooking store， was won by James Adams，makins 77 points， the highest being 79 ．And on June 27th， the Western Club Cur and prizes，to all comers members at 800 yards，seven rounds， the second prize of むj sterling，was won by James Adams，making 20 points，tho high－ est score being 27 points．The fourth prize of sis sterling，by J．Mason，so points；the seventh prize of $s 2$ sterling，by theutenant Wastic．At tho lloss competition，at $\mathrm{SOO}_{2}$ 900，and 109）yards，fifty rounds in each，of two days－Privato Jiurison won the second prize of fis sterling，making at total of 334 points，the highost being 394，out of a pos－ sible Err．At the match for the Egliuton Cup and prizes， 1,000 yards，seren shots， Lieut．Harris wou tho fourth prizo oíse， making 93 points，the highest being 24，out of a nossible 3ī；Sergeant Wilkinson win－ ning the trelfth prize of 51 by 20 points． At the－lssociation（ony rifle）Prizes－200， ot $v$ ，and 600 yards，Lieut．Wastio and Pri－ vate Surison won the second and fifth prizes of Ejsterling each，by a score of 51 each， the highest being js．Nine cumpetitors tied at 200 yards for the range and ten at 500 ， having scored off the greatest number of points；on firing of the scoro stood as re－ corded－an instance of close firing unexam． pled．J．Adams，won a prize of 52 sterling being tho tenth，with a seore of 30 points． Those matcles were any rifle not exceeding 10 pounds in weight．The next tris a Sni－ der Enfield compettion－200，500，and ciso yands－the Iresident＇s prizes．Lieut．Wias． tic，fourth prize，flosterling at points，tho highest being 49；elerenth prize，Lieut． MeNachtan，Et sterling， 4.5 points．The Morriton Rife，and other prizes－ 230 and 500 yards－the fifth prize of 20 sterling was won by Iicut．Marris by 35 points；the screnth，also of fo sterling，by Jas．Adams， with a score of 30 points－the highest scored at the match being 36 ．At tho match for tino Stock and Iron Brokers＇Cup－at 300 and JOl yards，twenty prizes at each rango －Pritato Murison and Licut．Wistio won the treeffth and ninctecutio prizes resper－ tively of $£$ l stering cacinat gol yards rango iy a soere of 25 pomts each，the highest being $2 \bar{i}$ out of a possibic 35 ；and at the j0）yards range Licut．Marris mon tho six－ tecuth prize of Il sterling by a score of 23 points，the highest being 20 ．This appears by tho Trifuater Nass（to which wo aro in－ debied for the detailed account of the match）to hare been all the natcies open to the Caadians，and ther have dono rery well indeed．Tisey aro c－armped at Him． bledon separately，haring doclined tho hos－ pitality of the North Dritons，which mas gen－
crously tendered them，but declined on tho grounds that the barley brec was too plenti． ful there．

Tho latest by telegraph states that the prizes of the Wimblecton rifo meeting have been distributed by tho Princess Louise． Several representatives of tho Canadian Volunteers were successful competitors，and havo received their awards at the hands of Her Royal Highness．
The Cnited States Government have asked jermission of the Imperial Gorern． ment for American fishermen to bo allowed to fish in Canadian waters，on condition that all duties paid upon Canadian fish in Ameri－ can ports be kept account of and refunded in the event of the Houso of Representati＂es agrecing to the removal of the duties in question．

The Iendon Syectator laments over the decudence of the monarchical system in Great Britain．It says：－＂There is in this country but ono great political institution left alire，and that is apparently endeavour－ ing to commit suicide by asphyxia．Tho throne as a political pomer is dend，the Lords are dying，and if the House of Com－ mons loses the respect of the country there． will be nothing left．＂
Mr．Gladstono is trying hard to effect the latter laudiblo object，by inducing the lueen to cancel the Royal trarrant，sanctioning the purchase of commissions；he has succeeded in over riding the Constitution－teaching the world a lesson not to be forgotien．A demagogue at tho head of any gorernment is sure to bring it into disgrace．

## REMITTANCES

Ficecired on Subscription up to Saturatay the onnd inst．
Amarrst Island．－It．COI．II．Fomler C4．
Sorru Nation Milus．－Lieut．I．Eathorne， si．

FER sGEMt．
Momtreal＿－Capt．Esdaile，ミ卫．

Tio Jiontreal Mcrald states tiast it is tho intention of tho Quebec ritemen to challenge the Untario Wimbledon team on the return of tho latter from Ingland．
Lord Cainss on tue Trbatt．－Iord Cairns， rrhois said to bo tise hishestlegal authorit－i England，in tho coarso of his speech on tao Treaty of Washington，sard：＂lith regard to Canada，by the express prorisions of tho Treaty，tho obligations of the articles rela－ ting to Canada aro mado to depend upon the question whether Canada in its Parilia－ ment mill or mill not ratify those articies：－

Tus Tearisn Askx．－Tho Turkish Tar Department seems atiength to hars decided to make the Chrisuian subjects of tho Porto liablo to military scrrice ses well as tho 3 Ma－ hometans．Some jdca of tho importance of such s determination may bo obtained from tho faci that hitherto the yoarly contingent of about 400.000 men has iveen suppliad by $10,000,000$ Nathmetans，tho remaing part of the population，numbering $30,000,000$ ，not haring contribukd a singlo soldier to tho Tarkisharmy：

## NEVER GIVE UP!

Never give up! it is wiser and better Always to hope, than once to despair; Fling of the load of Doubt's cankering 'retter, And break the dark spell of tyrannical care; Never give up! or the burden may sink you, Arovidence kind y has mingled the cup,
And in all trials or troubles, bethink you,
The watchword or life must be, Never give up!
Never give up! there are chances and changes Helping the hopeful a hundred to one, And through the chaos High Wisdom ar Ever success if you'llonly hope on : Never give up? for the wisest is boldest,
Knowing that Providence mingles the cup,
And of all maxims the best, as the oldest,
Is the true watchword of Never give up!
Never give up!-though the grape-shot may rattle,
Or the full thunder-cloud over you burst, Btand like a rock,-and the storm or the battle Little shall harm you, though doing their worst Never give up: if adversity presses,
Providence wisely has mingled th
And the best counsel in mill your the cup
Is the stout watchword of Never give up

REPORT ON THE RED RIVER EXPEDI'CION OF 1870.
by S. J. DAWson, civil engineer.

## [Continued.]

Shebandowan Lake to Fort Garby.
Between the terminus of the Thunder Bay road, on Shebandowan Lake and Lake of Winnipeg, by the route followed by the Expe dition, the distance, is in round numbers, 488 miles. In this distance are three sections differing materially in genera! character.

The first known as the Jake Region, commences at the end of the Thunder Bay road and ends at Fort Francis. The distance between these points by the route followed by the expedition which went round by Loon Lake to avoid the rapids on Sturgeon River, is 208 miles, and by the more direct route usually travelled about 190 miles. This section presents a continuous succession of lakes separated by short por tages, except in one instance where there is a etretch of eleven miles of river sometimes called the Maligne. It was to the rapids in this stretch that I had sent a picked crew of voyageurs to be in attendance while the boats were passing and run them down. In all other places, the work to be done consisted merely in carrying supplies, and bauling boats from one quiet sheet of water to another:. The aggregate length of the portages between Shebandowan Lake and Fort Frances is precisely three miles, and 76 chains; the two first are the longest namely Kashaboiwe and Height of Land portages, and these are respectively three quarters of a mile and a mile in length. The other portages arevory short only three exceeding r quarter of a mile and none extending to halfa mile. Here then is the labour the voyageurs and soldiers had to encounter in getting to Fort Frances that is to say, -they had to get boats, ammmunition, and 60 days rations, the latter gradually getling less, over threo miles and 76 chains of land, and row or sail through some two hundred miles of water, where countless islanda rendered the shelter so perfect, that the highest winds could not stop them, while the breeze would often fill their sails and relieve them from the toil of the oar. 'The weight of the boats varied somewhat, those of the Clinker construction being from 500 lbs -, to 650 lbs , and the carvel from 850 to 950 lbs . With each brigade of six boats were from sixty-five to seventyfive strong men, voyageurs and soldiers, ten men were quits equal to drawing a boat across a portage, but the crews joined to-
gether and hauled them across with great ease. The baggage and stores gave the most irksome work to the inexperienced soldiers, but it did not last long at a time, and after the toil involved in getting across a portage, they were soon afloat and winding their way among labyrinths of islands.

Sometimes mistakes occurred on the lakes, more especially when the sails were hoisted.

The boats in tacking would leave the usual track and as new lakes opened up and unknown islands came in view, the guides would get bewildered and scarcely know which way to turn. A case of this kind os curred in the Lac des Mille Lacs, and I mention it to show how easy it is for the best guides to get astray in these island-studded lakes. A half breed Indian voyageur, who had been for many years in the service of the Hudson's Bay Company, and was supposed to know every nook and corner between Lake Superior and the Artic Sea, came with 4 brigade of boats, to the lake just named. The wind was up, the sails were at once set and off went the boats dashing at great speed through the water, and leaving islands after islands behind them. The wind was nearly but not quite fair, and it would be a pity to change them from their track while they were making such speed almost in the direction they should go, At last they were put about, and the guide looked in vain for some point or island he should recognize. All was new to him. Time and again, the islands bounding the prospect were made for only to open up new vistas and lakes more bewildering than the lasi. This Lake is well named Lac des Mille Lacs. It is however the only one on the upper part of the route, which from its dimensions could admit of the boats going far astray, and in order to guard against the recurrence of such blunders, I stationed some Indians who have their hunting grounds in the neighborhood, at the Height of Land, so that they might be in readiness to act as pilots in this perplexing lake.
Much has been said about the barrenness and forbidding aspect of the Lake region, and no doubt it is in many places somewhat rocky, but not more so than the region of the Upper Ottawa, or the country intermediate between the Ottawa and the Georgian Bay. Timber, both red and white pine of fair dimensions is in unlimited abundance and in many places, especially on Rainy Lake, there are indications of valuable minerals.

Arrived at Fort Frances, the Expedition had before it 131 miles of unbroken navigation, ending at Rat Portage. First Rainy River, winding for 67 miles with a gentle current through forests of the most luxu riant growth, broken here and there by patches of green sward, where the Indians of former times had practiced the art of cultivation, so long forgotten to their descendants, and then the Lake of the Woods, where the course lay for 64 miles farther, through islands which, although the lake is large, afford sheltered channels where the stiffest breeze is hardly felt. There ie how ever, a traverse of seven miles at the end of the lake where boats are sometime wind bound.

## The Winnipig.

On reference to the memorandum; on a preceding page, it will be seen that this river prosents a series of lake-like reaches with short intervals of rapid water between them, It is in volume not inferior to the Ottawa-perhaps greater, after it receives its chief tributary the English River which joins it just above portage de L'Isle from the
east. Some of the navigable sections. are like the Chats and Duchene Lakes on the Ottawa, differing only in the circumstance of being full of islands. This river has long been used as a highway for the boats of the Hudson's Bay Company, and the carrrying places were found to be well opened and in good order. At certain stages of the water some of the portages are difficult of approach, but when the Expedition passed the water was low, and the worst places had quite lost their terrors. The distance from Rat Portage at the outlet of the Lake of the Woods to Fort Alexander on Lake Winnipeg is one-hundred and forty nine miles. The portages are numerous but short ; their ag gregate length at high water, amounting only to three miles and six chains. The water, however was so low when the Expedition passed that st seversl places, such as the Cave, the Seven Portages, and Silver much of the land carriage was avoided by keeping in the bed of the river and lifting the boats over rocky points. Upon the whole, the Expedition experienced no diffculty whatever on the Winnipeg. Guides had been obtained at Fort Frances and Rat Portage, where the Indians are numerous, and some few of the voyageurs, who had distinguished themselves, were sent back from the former station and their places supplied with Indians well acquainted with the route. I should mention that Mr. Boyd, a merchant in the Red River Settlement, and now a member of the Government of Maniroba, together with some other settlers, sent six Hudson's Bay boats to meet the Expedition. Phis afforded an opportunity of comparing these boats with those which had been provided in Ontario and Quebec, I have some satisfaction in saying that the latter proved to bo the fastest sailers, the most easily managed in the portages and rapids and in every.way the best adapted to the purpose of the Expedition.

From Fort Alexander to Lower Fort Garry (Stone Fort) the distance is 60 miles, and in this section there is no impediment whatever to the navigation.

The route, generally, between the terminus of the Thunder Bay road, Shebandowan Lake, and Lake Winnipeg, will compare very favourably with any other canoe on boat route of equal length in British North America. The entire distance is four hundred and eighty-eight miles, with some forty portages (more or less according to the stage of water) having an aggregate length of seven miles. Between these portages, the navigation, excepting for'a few miles in a narrow brook at French Portage, is the the easiest conceivable. There are no diff. cult rapids to run. In fact, except on the Maligne already referred to, and at a few places on the Winnipeg, as regards the facility of getting over them with boats or canoes, the rapids are the merest ripples.

The force, in getting through, had just seven miles of land carriage to get over with light boats, 60 days rations gradually diminishing, and their ammunition, and this in short sections, so far separated as to make the fatigue less than it. would have been had the portages been longer and fewer in number.

The labor on the portages was, no doubt, trying to men unaccustomed to such work, butit did not last long at a time, and all besider was the smoothest sailing conceivable,

Let now, the route which could afford such easy transport be compared with other known routes of similar oharacter, on which many Canadians are engaged in occupations involving the constant practice of work of the same nature as that which the Expedi-
tionary forco had to perform, and first as ree. gards the Ottawa, it is not necessary to refer to the timo when articles had to be carted from Carrillon to Grenvillo, when voyageurs had to portage their canoes past tho Chaudier and Duchene, struggle up the Chats lapids, and toil for weeks in nowerful whirl. puols or on tho long portages between the Cboneux and the Calumet, tho labor involved in getting from the Joachim, tho Lepper limit of steam navigation, to Lako Temis. cannnque a distanco of a humdred and trenty miles is vastly greater than on tho shole route to Red River- - a greater length of la.. $\lambda$ carriage and rapids more powerful and difficult to overcome. Rut if tho dificullies on tho broad Ottama aro greater, how much more are they not 60 on its tributaries, tho Gatineau, Madawask:1, Cou. lounge or Peterrawe. Hundreds, I may say thousands of adventurous lumbermen yearly find their way to tho high regions drained by these rivers with boats and half a jear's sup. plies besides.
The St. Blaurice, is perhans, one of the most difficult rivers on the continent, running down, as it does, directiy across the strike of rock, from a plateau fifteen hundred feet above tho level of the St Iavronce and it forms a raso in point as regards comparison for by this routo a French Mhitary Expedition passed, in former years to the soose and dorn that riter to !ludsoils Bay mith artillery and munitions of war. Two ef their field pieces still remain on a portago at the source of the St. : Saurice nad history tells of their doingsat Iludson's Bay, where they took and held forts, ono of wiuch was mell mounted with artillery. Althongh no doubt greater things inave been done in other mays. :till thas is of its kind a feas as yet unparalled in military anmals.
The Chevalier do Troyes had no bonts sceh as were supphed to tho Red hater Espeditionary Force, snd in his day the birchen stiff ris alone used on the inland waters, betreen the St. Lawrenco and lludison's 132 y.
As comparal with tho route by York Factory, lis Lino followal by the Expediiisn has many crident adrantages, and in this regard, I mas refer to a journcy mado from York Factory to Fort Garry tyy Col. Croites in 1840. . That gallant soldier, rhose clear and comprehensive evidence gren before a Committee of the House of Co:nmons (England), in 155J, did so mach toremove the reil in which an exclusive monoply had shrouded tho regions of the Surth West camo hy Fori Fisctory to hed Harer. whth 347 soldiers, 17 momen and 19 childres, in all 3 si persons. Among his manations of mar mere threo sir-pounders and one 9 -pounder field piece. In his evidenoe speaking of Fort Willianz route :-I rould undertake to take my regiment by it; and on being further questioned replied 25 follons:-
"I did rorso than that, 1 took artillery frem Fort Xork in Hudson's Bay, to Iled Mree ius miles, by the Compass, over lakes adedrivers, and that is a much acose rante S=n hestier.
"Do you mean to saj that under present cicumstances (this mas 13 years ano.) the ronic from Fort William to Fort Garry is at better routo for malitary to go than from Fort York!-I amquite sure ofit for I haro gorio both."
"Question by Sir John Packington-Did soa say you took artillery from Fort Iork to Red Iiver!-I did,
"Whal distanco is that!- it is about ias r.les."
"How did you conrey it?-Wo carried the gans in canrres, te took tho suns off
their carriages, wo had rope handles and carrying straps, and between them so carried tho gums.

At that time the gallant Crofton formed tho opimons to which ho has given such forcible expression, steam had not reached Lako Saperior, and the Thunder Buy road had not been dreamt of; still with experiexice of hoth routes, he consilered it (the Fort William road, rastly belter than the route by Hudson's Bay.
Uno cannot but be struck with themark ed dilferenco in the circumstance, under which he made his journey by the one route and those attending the advance of the Ex peditionary forco by the other. In the one case woro the ever frozen shores of Iludsons Lay, and soldiers, wath artillery, and women wilh children to bring forward to an un known land by a mote till then untried by a militarv force. In the other, light boats, fitted with everything that could be conccived to be useful, and manned with active men in tho very prime of life.

Women and children had to be protected from the chill blasts of autumn. as Colonel Croften's band cesmo upwards from the sea.
The sodiiers of the Expeditionary foreo had to work hard enough at $t: \cdots$, no doubt. on the portages, as they cumo to the successive falls of the Wianineg. but they were soou agnin on open lakes with the sofirmas of summer in thers sails.
A quarteriofacentury ago Col. Croflon's sol diers could have had nothing to cheer thent save i cons.iouspess of domg thrir duty as ther andurneed. The land before them had Leen represented as sterilo and shrouded for more than half the jear in the gloom of a Sibernian vinter.

As tho Expeditionary force went on, tho soldiers knew that they vero taking part in a movement to become historical, that they were, in fact, corrying the seepter of their Queen to a hand of sunsbine and furtility, and of proportions so vast that it might hold hall of Europe in its lap.
(Tobe contlaimed).
Tric Olla:r: Fres Press infuires, ${ }^{24}$ Is the perind for the gromth of C.mardian pine gono by ?" It says tho following singular fact is noticcablo in the back:roods of Canama In orery part of the country tho yine fore-ts that aro beingcut dorn throughout the Do minion are not being repleced by young limber. From personal observation and from conversations wi:2 lumbermen we nowd the fact that young pine trees, from threo to seven inches in diameter, are ant to bo found in tho rowls, no matior hom thick the pinery is, o: hoir favoirable tho soil appears to bo for their gromth. All other kind of timuer indigenous to this ciimato aro to be found in the forest, of ait sizes, from the scedling to the full grorm tree, but tho pine, liko the red man, is dis appearing from tho faco of this country with outnay youngstock toreplaco it. It is a question for scientific mon.-Is tho period for tho groith of pino passed? Chero are young pino tress sroming throughout tho coinniry but they aro ribat lumbermea call sorliag pinc, and will almays bo short and scrubby, and tio timber full of gam inots and $\operatorname{sip}$ amd nerer trorth cutting domm. In
tho bogs of Ireland pine trees of immense sizo are often found embedded in tho turf, and is is quito crident that it grer at ono timo in that islacd to considerabie extent. Some fer jexrs ago, it mas stated that at tho timo thero woro only tro Irish pines groming in tho country, two that woro on a gentle. man's ostato somorhoro in tho south of Ireland ; and they mere fast going to docay.

Tim Wials or \% Yease. - About thenty years havo clapsed sinco Queen l'ictorit openca tho first great exhivition in Hydu l'arls. But tho bistury of thenty yoars since then may havo caused them, not unnatural. ly, to forget that on tho lat of May; 185], wiss confidentially suppoed at tho time to mark the coramenceacent of an era of univerall pacace. Tho commissioners, in their address to the Queen on that occasion, indulgen in swmo neat remarks on tho subject. Mer Mojesty was .dviscel in simular language to oxpres a hope that "the mudertakias may conduce to the cummon mterest of tho human vaco by encouraging the arts of peace," and tho Archbishop of Canterbury was so much impressed with tho circuanstinco that ho ventured, in the prayer that it was his duty to offer, to as crilh tho universal 1 eace to the direct interposition of tho Almighty: "1t is of thee, 0 Lond, that nations do not lift up the sword against each other nor learn war any more." If the primato could have seen the erents of the next fetr jcars, wo may assume that ho would certainly havo abstained from what even then mas an inaceurate assertion and would lavo forborne to ascribe to the direct internosition of the Deity a monentary ces sation in tho intrigues and yuarrels of tho human family. Within two jears and a half of the archishop's prayer the first shot was fired in tie lasso lurkish war. l'wo gears and four months clapesed before, on tho ewh of February, 18jib, hostalities were suspended. In a lit:le more than a year aftermards, in March, 1S:7, the Bengal army mutmed, and it was not till the 2 tird of May, 1.5:4, that the mutiny was entirely sappressed by Sir ilope Grant's final victory. A month be. fore the Austrians hat crossed the Ticino, and the French had commenced their brilliant campaign in femmaniy. From May. 18i0, to March, 1 Sil, Garibaldı mas engaged in destroying the deapolitankingdom. Unly a month afterwards tho cirit trar commencel in Ametia, which mas only concluded by the surrender of Kirby Smith, in May, 1 Stij. The summer of lsint tras memornble for the Austro Prissian mar; the autumn, of 1567 for the attack of Garibaldi on liome. 1ast year's events aro bon fresh in our menories to need rearitelation. And it must be reme:nhered that this category of mars docs nut include such as th:e Danish mar, the Mexican war, our war with lereia in ISjE, and vith China in is.ji, the Mootish war wilh Spaia in $1 S$ ou, and the insurrections in Creto nnd Foland, some of whech wo havo omitted as synchronous with tisose wars tre havo instanced, and others bccause they aro less likely 10 be permanentls remembered by our readers. Such orents as these ought surely to teach us that esen when war seems most improbable, it may tu vers near us.rall Tall Gazelts.
 Coxporins.-The rery agrecatlo character of this preparation has rendered ata general farorice. The Cith. Veritis Gazetie te-marks.-"Tho singular success whech Mr. Ephs attained by his hommopathic preraration of cocon has nerer been surpassed by any experimentalist. Dy a thorough knotrledje of the natural lairs which gorern tho operatinas of digestion and nutrition, and by a carcful arplication of the time propertics of well sclected cocia, Mr. Epros has piorided our breakfast tables writh a cellicalcly faroured boverago minch ma: y sare us many heary doctors bills." Nado ssm. ply with boiling water or mils. Sold by tho irado only in ilb., ilo, and 1 ll tin.lined packets, labelled-Jases Errs \& Co., Homcoopathic Chemists, Londlon England.

Troubles with the Morant Bay "niggers" are again threatening in Jamaica, those peculiar pets of the broad brims are likely to cause what all Quakers profess to abhormore bloodshed.


NOTICE.

$S^{\mathrm{E}}$EALED TENDERS, addressed to the undersigned, and endorsed "Tender for Dwelling House," will be received at this office until Wednesday, the 19th instant, at noon, for the whole of the Artificer's work required in the erection and completion of a Dwelling House, for Superintendent of Cornwall Canal.
Plans and Specifications can be seen on and after Thursday next, the 13th instant, at this office, and also at the office of the Superintendent of the Cornwall Canal.
The Department will not be bound to accept the lowest or any tender.

By order,
F. BRAUN,

Secretary.
Department of Public Works,
Ottawa, 8th July, 1871.
$20-2 \mathrm{in}$.


SALE OF
ƯNION SUSPENSION BRIDGE TOLLS.
THE TOLLS of the Union Suspension Bridge at Ottawa, for the year commencing on the 1st of August, 1871, and ending 31st July, 1872, will be sold by Auction, at the Toll House, on Monday the 24th July, inst., at 34 o'clock, p.m.

## CONDITIONS OF SALE.

The tariff of tolls is not to be increased over the present rates.
The tolls shall be put up at the upset price of \$3,500
The highest bldder complying with the conditlons of the lease shall be declared the purchaser.
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