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# The Volunteer Review AND MILITARY AND NAVAL GAZETTE.

A Journal Devoted to the Interests of the Military and Nabal Forces of the Dominion of Eanad

VOL. VII.

# OTTAWA, (CANADA,) TUESDAY, JUNE 10, 1873.

No 23.

# NEWS OF THE WEEK.

Our English advices of the past will contain very little interesting matter.

Mr. Bradlaugh recently arrested by the Carlists have been released.

The explosion on 31st left in the colliery near Wigan, caused the instant death of six minners, and the destruction of much property.

It is reported that the ex-Empress Eugenie is in Paris, and has been there two days.

The Lou lon *Times* urges the immigration of the Chinese to cast Africa as a means of bringing about the abolishing of the slave trade.

the Pall Mall *G* cette publishes an append of the ex-Empress Eugene to the people of France in favor of her son,

Special despatches to the London Times contradict the reports that there is less cordiality in the relations between the French and German Governments since the election of McMahon.

The *Times*, in an editorial, stigmatizes the proposed alternation of the Bink Act as an attack on the sunctity of contracts and an entire subversion of the cardinal principle which has hitherto been regarded as the key note of business.

Great perpartions are making in the city for the reception of the Shah of Persia.

A memorial statue of the late Earl of Der by was unveiled at Preston on the 3rd and another of Peel was inaugurated at Hudders field on the same day.

A strike of the carpenters of London is threatened.

The report that the Hong Kong and Shanghai Cable is broken is contradicted.

From Paris our advices state that the Orleaniste in the Assembly are seeking an alliarce with the Left Centre, having refused to form a coalition with the Legitimists and Bonapartists. The Left Centre however, decline to entertain their proposition.

The new government of France proposes to abandon the commercial treaty with Eog land.

It is reported that the Bank of France

will advance funds necessary to complete the payment of the war indemnity, and the evacuation of territory by the German troops will follow immediately.

Vienna advices inform us under date of 4th inst. that the reports of the illness of the Emperor of Russia are wholly unfounded. He assisted at the review to day, and and was present at the court banquet tonight.

One of the Dutch men-of war cruising off the north coast of Sumatria, fired into three British merchant vessels as they were leaving the harbor of Atchene.

The Atchenese have sent messengers to this place, asking for assistance. The Coolics here are already enlisting in their service. If the Dutch persists in war they will meet with a stronger resistance than ever.

A despatch from Shanghai, giving some particulars of the capture by the Imperial Chinese forces of Talufoo, the Capital of a Mahommedan State in the Province in the Yunnan, South Western China, says most frightful scenes were witnessed in the conquered city upon the entry of the Emperors army

The victorious forces fell upon their c.ptives, and massacred thirty thousand of them. The Sultan poisoned himself, preforring death by his own hands, to falling into the power of his enemies.

The Carlists by continually interrupting communications betwen Frence and Spain, thus rendering it difficult to obtain authentic information, seek to make it appear that they have complete control of the frontier provinces. On the creation of this false im pression abroad they have their hopes of success-fully launching a loan of one hund, al millions.

The Carlists appeared before Irun, and be gan an attack on that place. At last accounts they had taken four carbineers prisoners

Emperor William is slightly ill. He was anable to attend the banquet yesterday in honor of the Shah of Persia.

The following delegates have been ap pointed to represent Germany at the World's convention of Evangelical Alliance, to be

held in New York next October. Messrs Colstantine, and Tisschondorf, the distinguished physiologist Kleinert, Christleb, Kraft, Vondergultz, Grundmann, Hoffman, Andrews, Von Bernstorff, son of the late Bernstorff.

The old Catholics have elected Professor Reekins as Bishop.

From Rome we learn that eighty two heads of religious o ders signed documents protest ing against. J bill for the suppression of religious corporations.

The Shah of Persia arrived here this afternoon (31st May.) He was received at the 1 alway station by the Emperor William, so veral Imperial princes, and Prince Bismark. He was escorted to the palace assigned him during his sojarn in Berlia, by a large body of troops, who made an imposing display at the depot, and on the streets through which the procession merca.

Captain Jack has at list been trapped and captured on the Lava beds, and the Modic war is a thing of the past illis band was at last reduced to two other warriors, five squaws and some children, and he was taken not by the whites, but by their Indian allies, thus setting a rogue to catch a rogue. He will probably be hanged. The result of a contest with the white man will always be the same, and the Indians will always come off second best. He is bound to pass away, no matter what treatment is meeted out to him.

The Government has decided to authorize the Bank of England to increase its circu. and six million pounds upler restrictions not yet determined.

The officers of the Spanish army approparing to pronounce against the R<sub>4</sub> ablic and to summon the old Cortes to reassemble.

The Prince and Princess of Wales opened the new town hall at Bolton, the 15th. Their Royal Highnesses were received by the inhabitants with the greatest enthusiasm, and were escorted to the town Hall by a procession three miles long.

The corporations of Edinburgh and Clas gow have resolved to invite the Shah of Per sia to visit thes cities.

## ANNUAL REPORT ON THE STATE OF THE MILITIA FOR 1872.

### (Continued from Page 243.)

"I have no doubt that next year Lieuten ant Montizambert, having completed his short course of training with "B" Battery, will raise their efficiency to a very high standard, especially if 1 am permitted to send to Gross Isle a few stores for instructing in gun mounting &c. They could be spared from those in my charge, and be taken down by the Government steamer next summer without expense.'

T. JOHN'S BATTERY VOLUNTEER GARRISON AR-

### THLERY

"The St. John's Battery Volunteer Gar-ison Artillery,commanded by MajorDrumm, was embodied at the Island of St. Helen's, where they went into camp,"

" All enrolled for three years."

"The training of this battery was in every respect satisfactory, Lieutenant Short and his staff of sergeants acting as Gunnery In-structors. The energy and intelligence of officers, non commissioned officers and men. produced more favourable results than I thought possible in so short a time. They were instructed in foot and arm drill, gun and mortar drill, dismounting ordnance with or without a gyn. They attended Lieuten. ant Short's lectures on ammunition, getting some knowledge on sighting ordnance from the ordnance armourer. "B" Battery who in their presence sighted the guns, with which they subsequently practised with good effect ; also mortar practise. The physique and intelligence of the mcn was good, as their conduct was satisfactory."

"They would I belive, do good service in case of need, by manning the fort at Isle aux Noix, which, if re-armed from guns in store, and a detachment from "B" Battery placed in charge, would be valuable for obvious reasons, besides being a good school of instruction for the St. John's Battery."

" From the pressure of my numerous duthe fact of artillery and engineer corps being simultaneously under training, I did not think it advisable to remain with any one corps during its whole period of drill; very upon Lieutenant Short, who was ably se conded by the officers of the St. John's Battery. With his detachment from "B" Battery, he prformed for the Volunteer Artillary services hitherto rendered by the Royal Artillery, viz: examining sighting, and reporting on ordnance, making up ammunition, placing targets, &c.

" I beg strongly to recommend this officer to your notice, for his energy and ability in the performance of dutics as a rule entrusted only to Gunnery Instructors and Inspectors of War Stores of the Royal Artillery."

# SHERBROOKE BATTERY VOLUNTEER GARRISON

### ARTILLERY.

" The Sherbrooke Garrison Battery ordered to the Citadel of Quebec, was not able to turn out. 1 beg to submit for consideration whether it would not be advisable to change this corps into a field battery, which would be invaluable on the frontier, while the existence of a garrison battery, without works or guns, is somewhat of an anomaly. Lieut. Colonel King, Brigade Major of the District, is favourable to this change, and informed me that Captain Felton, the present com-

retire in favor of Lieutenant Short, the next senior, who to his other qualifications as an artillery officer, with a first class certificate "B" Battery Gunnery School, adds that of in excellent horseman, familiar with the frontier district of which he is a native. He served as a gunner, and subsequently as an officer of the Battery and adjutant during both Fenian raids."

" I need not remind you that the number of field batteries of this Province bears no adequate proportion to the other arms. And 1 beg to submit for your consideration who ther it would not be advisable to follow the precedent of the Imperial service, by making the commanding officers of all field batteries regimental majors, in view of the fact that they command a tactical unit and incur considerable expense and responsibility The same reasons do not apply to the com manding officers of garrison batteries of militia who only command fifty five men, and have no charge of forts or of armament."

### GRAND TRUNK RAILWAY BRIGADE, PROVINCE OF OUEBEC.

"I was not called upon to inspect this Brigade ; but Lieut.Colonel Brydges inform. ed me, through his Brigade Major (Major Worsley), that he concurs in the advisabil ity of converting two batteries of the brigade into a heavy battery of position, to be armed for the present with an 18 pounder equip-ment in store at Montreal."

" The horses belonging to the Grand Trunk Establishment are exceedingly powerful and well suited for artillery.'

"The self contained character of the Grand Trunk Brigade, and its high "esprit" render it advisable that it shou'd be selfsupporting in the matter of field artillery. A complete force could then be transported at short notice to occupy any important position on the line of railway Some stations might be selected as desirable to strength en with earthworks."

" This service could perhaps be effectively and at very little expense, executed by the engineer companies of the Grand Trunk Brigade, who would also, doubtless, be very of ficient in breaking up or restoring interrupt. ed communication on their own line.'

" I have had no opportunity of inspecting the engineer companies of the Grand Trunk Brigade."

### ENGINEERS.

"The Engineers of this Province consists besides the Grand Trunk, of two companies at Montreal—No.2 Company under the command of Major Kennedy, No. 1 Company being under the command of Lieut. Devine, who is at present undergoing a short course of military engineering, &c., at the Gunnery School, Quebec.'

"Both companies are very weak ; but their training was satisfactorily carried out by the officers who are all intelligent and zealous. They were encamped on the Island of St. Helen's for sixteen days. Their company and arm drill was very good; but the dispositions made to blow up a stockade did not meet with my approval, which was perhaps scarcely to be expected, as their attention had not been directed to this important subject. Gabions and fascines, which they made from brushwood cut on the island, were perfectly serviceable, and they repaired the pontoons subsequently used in the construction of a raft, by a detachment of "B" Battery, for the transport of guns across the St. Lawrence for the use of the Shefford Battery. I had intended that the manding officer of this battery, wishes to construction of the raft should form part of the river front against a coup do main. It

the engineer training, but the delay incident to the necessary requisitions frustrated my plans."

"Their rifle practice was carried out on the island under their own officers. The conduct of the non commissioned officers and men was good. They have in their ranks many skilled mechanics, but they were not sufficiently numerous to construct a half-sunken battery on a plan which I gave to the commanding officer. A model room for their use, in connection with an enlarged Gunnery School at Montreal, would largely contribute to the efficiency of the sister corps, the subjects of study being common to both."

"The construction of field works and batteries in snow, with the aid of gabions made in summer, would be a beneficial and inex. pensive military exercise, which could be carried out, if the Gunnery School at Montreal had sufficient numerical strength to do the greater part of the labor for which the volunteer engineers could not spare time."

"The island of St. Helen's is peculiarly adapted for an artillery and engineer school, especially for pontooning and rafting. The discipline is good from the absence of temptation, and the difficulty of leaving the Island."

" The military stores are safe. The earth batteries thrown up in the course of instruction would remain as valuable defences, and would not impair the natural beauty of the Island. There is a considerable growth of brushwood exactly suited to making gabions and fascines, and the necessary entrenching tools are probably instore "

"I have in my possession plans of the Royal Engineers for some proposed defences and as the river would be a comparative safeguard against a coup de main, masonry escarps would not be necessary.'

"I do not anticipate much expense be yond the wood necessary for laying gun platforms, and timber for expense magazines and shell rooms.

"I need scarcely remind you that the ar moury store buildings and large powder magazines on this Island are of great value to the Dominion Government,"

"Their protection is essential, and the British Government proposed to arm such works if erected by the Dominion."

### FORTS.

"The Citadel of Quebec and the forts at Point Levis are in good order, with the exception of the walls surrounding the "A" magazine, Citadel, one of the magazines at Point Levis, and some of the unoccupied casements which suffer from damp during the spring and autumn, especially at the lattar time, and the subsequent frost has a tendency to burst the casemated arches. I would recommend that a Royal Engineer sergeant, qualified as foreman of works, be asked for from the Imperial Government to superint and a certain amount of annual petty repairs and point-ing masonry, which the extremes of cli-mate render necessary. It would in the end prove an economical preventive to rapid and general decay. During the greater part of the year, especially in winter when mason's work is impracticable, he could be utilized as an assistant instructor of field works (using enow as a medium of instruction)). The masonry of the lines from the Citadel to the Artillery barracks is in very bad order; but it would not be advisable to repair it, as the proximity of the suburbs has in a great measure destroyed its military value as a line of defence, except to close the gorge of

could moreover be enfiladed or taken in reverse by batteries from the opposite side of the River St. Charles, armed with modern

"With reference to the defenceless, state of Montreal and its railway bridge, I beg to remind you that the Moncrieff system of defence bas been developed, and in some places adopted, in the United Kingdom, since the proposal of the Imperial Government too arm such forts as the Dominion. Government might construct at Montreal. The expense of such fortifications would be reduced to a minimum by digging six sets of duced to a minimum by digging SIX Sets of double Moncrieff pits, rivitted with forest timber, in lieu of the six forts proposed op-posite St. Helen's Island. They could be protected from assault by reverse fire palli-sade galleries in the counterscarps of their ditches; the unrevitted scarp, being left to the natural slope of the earth foould not be the natural slope of the earth [could not be breached. No masonry or skilled labor would be required. The principal part of the expenditure would be the armament promised by the Imperial Government."

### ARMAMENT.

"The heaviest guns mounted on the Citadel at Quebec are four 7 inch breech load Ingrifle guns, on the salients. They are not

capable of penetrating ironclads." "As the calibre of guns and the thickness of common plates have increased consider. ably since the original date of proposed ar mament, it is probable that some heavier guns might be substituted for those mentioned. It would be convenient and econo. mical to supply 64 pr. converted Palliser Suns in lieu of the thirteen 7 inch breech on the work, which would take a 64 pr. converted from a 32 pr. with wood blocks on the axles to check the recoil. This would be a very efficient armament for the Citadel land front, the expense of carriages and platforms being saved. I do not think the old objections to the use of cast iron carriages un. der fire need be considered, as a blow from a heavy rifled projectile would place beyond any immediate repair any carriage of cast or wrought iron or wood. The durability of the the carriages and the simplicity of the guns is also an important consideration. I would recommend the same inexpensive arma: ment for the forts at Point Levis, which do not commend the same of the open state of the open state of the same of the open state of the not command the river, and cannot be op posed by heavier guns than such as can be brough brought overland. But as No. 1 fort, the nearest to the ship canal, is not close enough for penetrative effect, I presume that at Moncrieff pits, almost a fleur d'eau, would be placed at the northern angle of Indian Cove, and the more Moncrieff pits, with guns Cove, and two more Moncrieff pits, with guns would be useful to command the railway and the river channel westward.

I concur in the recommendations submitted by Lieutenant Colonel T.B. Strange for increasing the efficiency of Artillery Corps in the Province of Quebec, especially with regard to the mounting of two extra gun. nors on extra horses in Field Batteries, wherehy the average of a sufficient gun de whereby the services of a sufficient gun de tachment are always available with the gun, This proposal had previously been made to me by Liout (1) of the proposal had previously been made to me by Lieut. Colonel G. French Inspector of Artillania de lite Artillery, who was equally convinced of its propriate has been for propriety, who was equally convince. Some time engaged in compiling a Manual of Field Artillery Drill, suitable for Canadian the above succession

the above suggestion. Lieut Col. Darrel Iago, of the New Bruns.

wick Artillery, reports for my information as follows ; In accordance with General Orders dat.

ed Ottawa, May 31st, 1872, an artillery camp was formed at St. John, on August 22nd 1872, for eight days, the batteries attending it having previously performed eight days

drill at their own headquarters." "No. 1. 2, 3, and 10 Batteries attended from St. John, and No. 7 sent a strong de-tachment, with one officer, from Woodstock."

"It is unnecessary for me to remark on this camp, further than to say that without doubt the officers and men derived great benefit from it, and that the continuous drill of never less than five hours per diem did more for the attendants at it than treble the time consumed in a drill room."

"I found the officers fully capable of instructing the men, and men anxious and willing to profit by their instruction, whilst both endeavored to maintain the credit this corps has always enjoyed for good conduct."

"The position you assigned me as Superintendent of drills was, therefore, as easy as it was pleasant; and I had also the satisfac tion of superintending some excellent shot practice made by the different batteries, both as regards accuracy and also rapidity of firing, for prizes presented by well wishers to the brigade."

"I inspected No. 5 battery at Woodstock on the 15th July. This battery attended the brigade camp formed at that place as a field battery, they having two (2) six pound. er guns in their charge, but having no horses properly enrolled, and really belonging to the brigade of Brunswick Garrison Artil

lery." "I saw some creditable shot practice made by them, and the men drilled well at standing gun drill; but I should recommend that this battery be either turned into a field battery and properly armed and horsed (the country around Woodstock offering peculiar advantages for the establishment of a good field battery) or that in future they should perform their annual drill at St. John."

"I inspected the remainder of No. 7 (Major Gillespie's) Battery at Chatham, on September 28, 1872, as I previously stated, the best part of this battery attended the St. John camp; and though the men were fairly drilled, they compared badly with their comrades who had accepted the greater advantages of instruction. There are two twenty four pounder guns at this place, and a slight expenditure of money would lay down platforms, build a side arm shed, and otherwise provide a proper muster place for the battery at the same time adding much to the defence of Miramichi."

"I inspected Captain Call's (Newcastle) Field Battery, at Newcastle, on September 30th, 1872. This battery turned out for 8 days drill in camp this year."

" Captain Call appears to have a good deal of difficulty, from local causes, about reven roling his men and horses; but he informed me that he has now determined to adhere to the proper system of enrolling a field battery, and to take no drivers from any but the farming class. I had pleasure in reporting favourably upon this battery last year; and if Captain Call adheres to his rule, and uses the energy I have noticed in him, I have great hopes that he will have a thorough good battery next summer.'

"The number of batteries in the Garrison Brigade has been diminished by five, all of which are in Charlotte County. The two batteries at St. George, could be spared, if the men do not desire to re enrol; but with regard to the battery at St. Andrew's the case is far different. It is not necessary for me to point out to you the importance of St.

Anderw's, commanding as it does the navigation of the St. Croix river; and it is much to be deplored that there is no garrison ar tillerymen at this place. In my opinion, the loss of the battery at St. Stephen is not of more importance than those at St. George; but I should recommend that the armament at all these places, when the batteries have failed to recentrol should be returned into store at once, including the two 32 prs. at St. Andrews, if nobody can be willing to raise a battery at that place within a reason. able time."

"There is one point in conclusion, to which I should like to call attention, viz, : the want of a Gunnery School, for the in: struction of officers and men in this District. It is uscless to hope to make a really good battery without a certain number of officers and men being competent to impart in-struction in the theory and practice of artillery."

"In this Province we have hitherto managed to get on without a school, and both officers and men have acquitted themselves well; but I am in a position to state that it has been done by much extra work by all ranks, and speaking in the interest of the New Brunswick artillery, I shall be glad if they are accorded the same privileges as the artillerymen of Ontario and Quebec.

### MILITARY SCHOOLS.

During the past year 339 Certificates of Qualification in Infantry Drill were given by the Commandants of Infantry Schools, of which 47 were first class, and 292 Second Class Certificates.

Two Riding Schools for instruction in Cavalry Drill and Equitation were established for a short period, one at Kingston, and the other at Quebec, and 12 certificates of Qualification, 5 of which were first class, and 7 Second Class Certificates were given.

It is reported that a large proportion of those who attended the Infantry School belonged to the Active Militia, and that the class of Cadets who passed through the Infantry Schools last year was much superior to the class of Cadets attending in previous vears.

### GUNNERY SCHOOLS.

The results already attained by the Establishment of the Schools of Gunnery at King. ston and Quebec, (A and B batteries) are very satisfactory.

These schools of practical and theoretical Artillery Science were established under the system detailed in General Orders, October, 1871, a copy of which will be found in the Appendix); none are admitted to those schools for duty and instruction except duly gazetted officers or enrolled non-communis. sioned officers and men belonging to corps of the Active Militia.

The periods of admission to the Gunnery Schools are for three and twelve months, and a limited number of officers and men may be readmitted for a further period, if it be found necessary to do so, in order to maintain a sufficient staff and nucleus for carrying on the instruction and duties.

Whilst attached to the Schools of Gun. nery (A and B batteries) for duty and Instruction, all officers and men are under mit litary discipline as prescribed in clause 54 of the Militia Act, and thus Artillery Schools as real as corps of the Royal Artillery itself. have been formed for Garrison duty as well as for theoretical and practical instruction in Artillery Science.

[To be Continued.]

PROVINCES AND INDIAN TERRITOR. IES OF THE DOMINION OF CANADA-

# (Continued from Page 264.)

### CRAP. V.

### General Remarks.

During the journey from Manitoba to the Pacific Coast, an opportunity was afforded me of becoming acquainted with the state of affairs in the Saskatchewan, and the con- frequently expressed to me their conviction dition of the Indian tribes.

Every possible information was furnished by the missionaries whose acquaintance I made, and by the employes of the Hudson's Bay Company; in the course of the journey I met with many bands of Indians.

Between Fort Garry and Portage de la Prairie three large camps of the Sioux tribe were visited—a portion of the same band who in 1862 massacred some American set tlers in Minnesota, U. S., in retaliation for the many wrongs and outrages committed in the first instance on them by American citizens. Ever since that event this band has sought refuge in Dominion Territory. These Sioux Indians lives quictly enough appar. ently among four people, and occasionally assist the farmers at harvest time. The presence, however, of such a wild and war-like looking band in the settlement fro-quently cause no small apprehensions amongst the settlers dwelling near Portage de la Prairie, ; and it should be remembered that at the time of the Minnesota massacre, this very band, although living quietly apparently among the Minnesota settlers, rose suddenly in one night and swept the settlement, committing horrible attroci ties.

Before reaching Fort Ellice I met two bands of the same tribe, one consisting of about one hundred men unaccompanied by women or children, who told me they had been to visit the Lieutenant-Governor of Manitoba in hopes of obtaining presents. This band belonged to the United States, and had come all the way from the plains south of the Missouri River whither they were returning. These Indians were bold and wildlooking fellows, fantastically dressed and all armed. They were perfectly friendly in their manner.

On one occasion when far out on the prairie, an band of ten mounted Sioux, after reconnoitring from a distance, rode rapidly towards our small party of four (two of whom were only boys), surrounding us in a moment; on being told by the guide, who spoke their language very well, that I was not an American citizen, but a British officer travelling towards the Rocky Mountains, they became quite friendly in manner, shak ing hands with us heartily.

Subsequently, this band were somewhat bold and pressing in their damands, for presents, which we resisted in a firm but friendly manner, it being bad policy to comply with extortionate demands, or to appear in dealing with Indians to act from intimidation.

Between Fort Ellice and Fort Carlton I met some bands of the Saulteux tribe,-at the various forts along the North Saskatchewan, several of the Cree tribe (plain Crees) and at the Rocky Mountain House some Blackfeet and Assiniboino Indians.

Although there may not at present be much risk in travelling through the Saskatchewan "territory along the well known track followed for so many years by the Hud-

RECONNAISANCE OF THE NORTH WEST | son's Bay Company, especially when associated with an employe of the Company, speaking the Indian language, it is a matter of doubt if such can long continue under the changing state of affairs, without the intro duction of some Government supported by material force. Beyond the Province of Manitoba west-

ward to the Rocky Mountains, there is no kind of Government at present whatever, and no security for life and property beyond what people can do for themselves.

The few white men there are in the Saskatchewan country, and at the H.B.C.Forts. that unless a military force is established in the country, serious danger is to be approhended.

The elergymen of all demoninations whom I met with, expressed similar convic-tions; those at Forts Victoria and Edmon-ton, as representatives of the comunity, urged me in the most impressive manner to lay their claims for the protection of them selves, their wives and families, before His Excellency the Governor-General of the Dominion, and the Government of their country.

It appears that of late years no attempt has been made to assert the supremacy of the law, and the most serious crimes have been allowed to pass unpunished. Hardly a year has passed without several murders and other crimes of the most serious nature having been committed with impun.

ity. During the present year, about three weeks before my arrivel at Edmonton, a man by name Charles Coudin, a French speaking half breed cruelly murded his wife at no great distance from the gate of the H. B. Company's Posts. I was informed that the criminal might have been arrested, but that there was no power to act. This same man had previously most wantonly and cruelly muti ated an old Indian woman by outting the sinews of her arm so as to incap. acists her fer work.

At Edomonton there is a notorious mu. der, a Cree Indian, called Ta-ha-kooch, who has committed several murders, and who should have been apprehenaed long ago, This man is to be seen walking openly about the Post. Many instances can be adduced of a similar kind, and as a natural result there is a wide spread feeling of apprehension. The gentleman in charge of the II. B. C. Post at Fort Pitt, as well as others else-where, assued me that of late .''e Indians have been overbearing in maner, and threatening at times. Indeed, the white men dwelling in the Saskatchewan are at this moment living by sufferance, as it were, entirely at the mercy of the Iudians. They dare not venture to introduce cattle or stock into the country, or cultivate the ground to any extent for fear of Indian spoilation.

When at Edmonton and the Rokcy Mountain House I was informed that a party of American Smugglers and Traders have established a trading post at the junction of the Bow and the Belly Rivers, about 30 miles due east from the Porcupine Hills, and about 60 miles on the Dominion side of the boundary line; this trading post they have named Fort Himilton, after the mercantile firm of Hamilton, Heaty & Company, of Fort Benton, Montana, U.S., from whom it is said they obtain supplies. It is believed that they number about 20 well armed, men under the command of a man called John Healy, a notorious character.

Here it appears they have for some time c: rried on an extensive trade with the Black. good quality to building is close at hand,

foot Indians, supplying them with rilles, revolvers, goods of various kinds, whiskey at d other ardent spirits, in direct opposition to the laws of the United States and the Dominion of Canada, and without paying any custom duties for the goods introduced into the latter country.

The demoralization of the Indians, danger to the white inhabitants, and the injury ro sulting to the country from this illicit trade

It is stated upon good authority that dur it is stated upon good authority that dur it is the year 1871 eighty eight (88) of the Blackfeet Indians were murdered in drunken brawls amongst themselves, produced by whiskey and other spirits supplied to them by those traders.

Year after year these unscrupulous trades continue to plunder our Indians of the Buffulo robes and valuable furs by extortion and fraud, and this shameful traffic causes certain bloodshed among the Indian tribes

At Fort Edmonton during the past sum mer whiskey was openly sold to the Blackfeet and other Indians trading at the Pot by some smugglers from the United States who derive large profits thereby, and on these traders being remonstrated with by the gentlemen in charge of the Hudson's Bay Post, they cooly replied that they knew very well what they were doing was contrary to the laws of both countries, but as there was no force there to prevent them, they would do just as they pleased.

It is indispensable for the perco of the country and welfare of the In-dians that this smuggling and illicit traffic in spirits and firearms be no longer permitted.

The establishment of a Cus om House on the Belly River near the Porcupine Hills, with a military guard of 150 soldiers is all that would be required to effect the ob joct.

Not only would the establishment of a military post here put a stop to this traffic but it would also before long be the means of stopping the horse stealing expeditions carried on by hostile Indians from south of the line into Dominion Territory, which is the real cause of all the danger in that part of the country, and the source of constant war among the Indian tribes.

Indeed it may now be said with truth, that to put a stop to horse stealing and the sale of spirits to the Indians, is to put a ctop al-together to Indian wars in the North West. The importance of the Porcupine Hill in a strategical point of view is very great, commanding as it does the entrance of both the Kootenay Passes towards the West, and the route from Benton into the Saskatchewan territory on the south and east; the country can be seen from it for immense dis tances all round. Although hostilo to citizens of the United States it is believed that the Blackfeet Indians would gladly welcome any Dominion military force sent to protect them from the incursions of other tribes, and to stop the horse stealing which has for so long been carried on. With excellent judgment they have pointed out the south ern end of the Percupine Hill as the proper place for a Military Post,

In order to satisfy myself on this point, I spent the greater portion of the 29th September in reconnoitring the ground recommended by them, and if it be the policy of Government to take steps to stop the illicit smuggling which is being carried on at this part of the Dominion, there is every convenience for establishing a Custom House and Military Post. Lumber of large size and

and the surrounding country is most fortile number, or if concentrated, that they could and favourable for settlement.

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The distance from Fort Edmonton to the Porcupine Ifill is about six or seven days journey on horseback, and from the Kootenay Valley on the Western side of the Rocky Mountains, from whence supplies could be easily obtained, about lifty or sixty miles.

Frequent intercouse, and an activo trado between the Kootenny District of British Columbia and the Siskatchewan country, would result from the establishment of a Custom House and Military post at the Por-cupino Hills. Many individuals are pre-pared to sottle there if any protection is af-forded, and the Indian trade of the country at present tapped by U. S. smugglers, would remain with our own countrymen. There is a genoral belief provalent, moreover. that valuable gold deposits are to be found near the Porcupine Hills- the unsettled state of the country hitherto has not admitted, however, of much prospecting. A party of four American miners, who crossed through the Kootenny Pass two or three years ago, were all killed by the Blackfeet, near the Porcupine Hill, the moment they entered tered the plain on the eastern side; since which no attempt at prospecting for gold

has been made in that part of the country. With regard to the measures which should be adopted for the settlement of the country, I feel satisfied that the introduction of a civil police force unsupported by any Military force into the Saskatchewan Territory would be a mistake, and that no time should be lost in establishing a chain from Manitoba to the Rocky Mountains. The appointment of a Stipendary Magistrate for the Saskatchewan, to reside at Edmonton, and to act as the Indian Commissioner, is also a matter of the first importance. The individual to fill this important post should be one, if possible already known to, and in whom the Indians have confidence. I consider that it is very necessary to invite the co-operation of the Hudson's Bay Company is the adoption of any steps towards estab-lishing law and order in the Siskatchwan for the first few years, and no In-dian Commissioner should proceed unaccompanied by a military force.

A large military force is not required, but the presence of a certain force, 1 believe, will be found to be indispensible for the security of the country, to prevent bloodshed and preserve peace.

The number of the Indians dwelling in the extensive country which lies between the Fed River and the Rocky Mountains on Dominion Territory, has been much exag-gerated. It is very difficult to arrive at any accurate Indian census, but having made every enquiry during last summer on this point, whilst travelling through the country, from those most competent to judge, I doubt if there are more than four thousand Prairie Indians capable of bearing arms in the Dominion Territory, between Fort Garry and the Rocka Mountains south of the Sub-Artic Forest, and north of the International Boundary Line,-the total Prairie Indian population amounting, perhaps, to 14,000 or 15,000

These Indians are scattered over such an immense extent of country, that anything like a formidable combination is impossible; most of the tribes, moreover, have been hostile to one another from time immemorial.

It is believed that the Blackfeet and the Plain Crees, the two strongest tribes of prairie Indians, may have respectively about if either tribe could ever concentrate such a | those days.

long remain so from the difficulty of obtaining subsistence.

Although many of the Blackfeet have broech-loading rifles, the Indians generally, are poorly armed and badly mounted.

Under these circumstances, it will be readily understood, that comparatively small bodies of well armed and disciplined men judiciously posted throughout the country could easily maintain military supremacy. A body of fifty mounted riflemen, armed with breech-loading rifles, is a formidable power on the Prairies.

One regiment of mounted riflemen, 550 strong, including non-commissioned officers divided into companies of fifty, would be a sufficient force to support Government in establishing law and order in the Suskatchowan, preserving the peace of the North West Territory, and affording protection to the Surveyors, Contractors, and Railway Labourers about to undertake the great work of constructing the Dominion Pacific Pailway Railway.

Although the proposed military strength. and consequent expense, may appear some what considerable, I have been guided by every consideration of economy in recom mending the above number.

It is wiser policy and better economy to have one hundred soldiers, too many than one man too few; the gr at extent of the country, and detached nature of the service must also be taken into account, and it should be borne in mind that the only thing the Indians really respect, and will bow to, is actual power.

It should be borne in mind too, that in addition to their Indian element, there is a half breed population of about 2,000 souls in the Saskatchewan unaccustomed to the restraint of any government, mainly depending as yet upon the chase for subsis-Lence, and requiring to be coontroled nearly as much as the Indians.

[To be concluded in our next]

Germany, as we have already announced, is about to build a canal from the North to the Baltic sea. When this canal is complet ed the Germany navy will have the advantage of interior lines, and no enemy can undertake to blockade the cost wit' at having fleets in the Baltic and North seat, ad each of sufficient strength to meet the entire Germin navy. Aside from the value of the canal in case of war, it offers great advan tages to commerce. Vessels can avoid the dangers of the western coast of Schleswig and Jutland, and the commerce of the Baltic will be greatly encouraged. The work will not be undertaken until 1875, when the Wilhelms haven and the defensive works on the Eibe, Weser, and Jahde are to be finished, so that in the event of a war these works can protect the canal. The entire cost is estimated to be about ten millions of thalers and it is expected that the work will be finished in eight years .- U. S. Army and Navy Journal.

The magistrates of the city of Belfast with a view to the adoption of measures for the prevention of disturbances on the 1st and 12th of July, the anniversaries of the battles of the Boyne an Aughrim respectively, have one thousand fighting men, but it is doubtful determined to prohibit all processions on

### \_\_\_\_\_ MILITARY FUNERAL.

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### INTERMENT OF THE REMAINS OF THE CARLE OF DENSION.

On Tuesday morning the remains of the lato Colonel G. T. Benison, sour, were conveyed from his late residence, Rus holme, to St. John's Cemetery, on the Humbor.

This is the oldest burying ground on this side of the lake, west of Kingston, where all the Denison family have been in terred since they first emigrated to this country.

It is delightfully situated on the right bank of the River Humber, which at this point is lined with trees and gives one the idea of its being a sacred and be autiful lo cality for the repose of the dead.

The funeral cortege, on leaving Rusholmo was preceded by the firing party, composed of the Toronto Field Battery, under com mand of Captain Gray; then followed the Governor General's Body Guard, commin 1 ed by Lioutenant Orlando Dunn; officers of the several corps in this district, followed by the Rev. Dr. Strong and the hearso an ! pall-bearers, who were : Mr J. Crawford, M P., Hon. J. B. Robinson, Mr. Kivas Tully, Lieut, Colonel Gilmour, Lt. Colonel Boxal Lieut.-Col. Scoble. After the hearse came a long train of mourners. At Black Creek the mournful procession wis mot by a part of the Queen's Own Rifles and the Tenth Royals, under command of Major Otter headed by the brind of the Tenth Roy ils

A number of the officers of these regiments were present. also some of the Grand Trunk Brigade and Toronto Garrison Artillery, On their arrival near the Cemetery, the troops opened file, and the cortege passed through. the band of the 10th Royal's Playing the "Dead March in Suil."

At the Grave, the impressive and solemn Burial Service of the Church of England was read by the Rev. Dr. Strong, the Incum bent of St. Ann's.

At the conclusion of the ceremony, the foronto Field Battery commenced firing the usual number of guns, an officer of the rank of the late lamented of onel way justly entitlled to.

### "Requiese t in Pace."

Wo noticed amongst these present the Hons. G. W. Allin, D L. Macpherson, Donald MacDonald, Messers C Robinson, Percival Rideut, Blain, Edgar, Col. Cumber land, Majors Alger and Leigh, Capt. Curtis, A. D. C., the Mayor and several of the Corporation, Rev. Drs. Fuller, Seidding and Grassett. The Rev. Dr. Richardson, President of the York pioneers, and many of the members were also amongst the number -Mail.

FIREPROOF ROOFS .- A wash, composed of lime, salt, and fine sand or wood ashes, put on in the ordinary way of whitewash, is said to render shingles fifty fold more safe against taking the from falling cinders, or otherwise, in case of fire in the vicinity. It pays the expenses a hundred fold m its preserving influence against the effect of the weather. The older and more weather beaton the shingles, the more benefit derived. Such shingles are generally more or less warped, rough, and cracked. The appheation of wash, by wetting the upper surface, restores them to their original or first form, thereby closing the spaces between the shingles; and the lime and sand, by filling up the cracks prevents the warping.

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

Our dearly beloved cousins are never at a loss for an excuse to justify any international outrage of which their officers or agents may be guilty, if a precedent does not exist they are at no loss to invent one. The Army and Navy Journal (United States) puts into the mouth of General GRANT a speech which, if uttered by the President of the United States, proves that such a quality as simple truth is not a necessary requisition of the Station.

In its issue of the 31st May, that journal endeavours to excuse the conduct of a Colonel MACKENZIE who has endeavoured to make war, a la WILKES, on his own account and at his own will and pleasure, by violating Mexican territory on the Rio Grande, in a raid across the border after some cattle stealers. Our readers will remember that General SHERIDAN and Mr. BELKNAP, the United States'Secretary of War. reconnector [JUNE 10, 1873.

l this neighbourhood quito recontly, and at we directed attention to what was liketo occur in consequence in the VOLUNTEER EVIEW. When our neighbors begin to preach out peace and international obligations n wisest plan is, to look out for some unning violation of both. It General GRANT s stated, what our contemporary gives m credit for, we can only Bay the role of Philadelphia lawyer nŧ played by more than one of the nted States celebrities, and that the Presint of that great country can invent its to suit his purpose or fit any object ho s in view.

The Fenium raids are awkward stumbling ocks to Yankee philanthrophists and liticians, the violation of territory came ogether from the United States and they used to give any compensation therefor, repelled the raids without violating their utiers, and General GRANT in his anxiety and an excuse for a deliberate and unwar ted violation of territory, makes a delibeomisstatement in attributing to theBritish borities a single act of territorial violaduring the whole period of four years which they extended, and it not necessary to maintain an army nctioned by Congress" to put down the s organized in open day on her territory, ch was done by her municipal law n she was compelled to put it in

e believe the Army and Navy Journal invented the tale of the pig and the corn field to aid and abet the action of Colonel MACKENZIE, which was devised by the Wash ington authorities as the result of the late reconnaissance, and we should not be surprised to hear of the necessity for annexing a strip of territory along the Rio Grando in order to protect the frontiers. In the mean time this very act illustrates the assertion we made in reviewing the life of the great chief tain of the lost cause, and that was "that nations like the United States were regularly engaged in training a large vortion of their servants as leaders of rebellion," The follow ing is the article, and we recommend the earnest study of its moral to our readers.

"That an officer of the United States in time of peace, should cross the frontiers of a friendly State, and levy war therein, is undoubtedly a subject for great surprise and apprehension to his own nation. When that officer is well known to be a man of great prudence as well as boldness, one not likely to act rashly; and when his acts ero approved by men of great caution and experience in affairs, such as Grant, Sheridan, and Secretary Belknap, our first impressions aro apt to change to those of deep attention. There must be something behind all this; exactly what, it is not so easy to say without careful examination of the circumstances connected with Colonel Mackenzio's late exploit.

raid across the border after some cattle stealers. Our readers will remember that General SHERIDAN and Mr. BELKNAP, the United States'Secretary of War, reconnuiter

guised in borrowed plumes, worse than the red mon; and finally Cortina's gentry, with othors of the like persuasion, who have been industriously making their living by "lifting" their neighbor's cattle, in the syle of Mr. Robert MacGregor of old, colobrated by Sir Walter under his nickname of "Rob Roy." That the extent of these ravages has been greatly magnified by the sensational daily press, is best evidenced by the fact that we only hear of them now and then, when it is necessary to get up a cry against the "administration." That they do exist, and take place at intervals of greater or less length, is however, a settled fact. The "raiders" come from both sides of the border and seem to be no worse in Mexico than in United States territory. When we consider what a wilderness said United States territory is, just in that neighborhood, and what trouble we have, in land undoubtedly our own, with a handful of Modocs, it will bo readily seen what a task must lie before a cavalry officer, on either side of the Rio Grande, set to watch Indians. The Mexican side of the river undoubtedly offers the most inducements to a savage gentleman to take up his abole there, if disposed to "lifting." On our side he must keep moving to escape the troops, whereas on the other side he can sit down under his own vine and lig tree, if they happen to grow wild, and meditato on future expeditions to plunder "LosGringos." When not actually raiding on Mexican soil, he is absolutely safe; and this immunity has gradually drawn most of the free lances to the side of Mexico in the course of years. That one of these bands, the Kickapoos as it happened, should go on the warpath after American cattle is a common thing. Mackenzie should follow them is not surprising. Ho was sent there do it. That they should cross there to border, is but the experience of all border raiders. They started out to do all the misfho chief they could, and then to run to just that crossing to escape. So far all is mere everyday incident. That Mackenzie should cross the Rio Bravo del Norte, as Casar once crossed Rubicon, is indicative of a similar resolution. In calm deliberation Cosar violated the territory of the republic; with equal coolness Mackenzie rode into Mexico. That he did so, argues that he was, if not under orders, at least pretty certain of approval. If the end justifies the means, the complete victory he obtained over the brigands he was following will plead for him in judg-ment. That he did right we have no doubt. The simple and forcible illustration ascribed to General Grant puts his conduct in such a clear light that we are tempted to append the extract.

" If your neighbor's pigs come into your cornfield and destroy your crop, what use is it to complain? That will not restore the corn. You would naturally say remove the But somebody says the cause of the cause. trouble is the pig. I don't think so. The pig will be true to his instanct. The real trouble is we have no fence. The river has been, diplomatically, the dividing line. The United States has been willing to consider the weakness of Mexico and its inability to protect its borders. It would be foolish for us to complain now. That point was made against the United States during the Fenian raids. We did not pretend that the border was inviolate. All that the British govern-ment argued was that the United States, being at peace with England, and having friendly relations with the United States, the crossing of the boun bury line in pursuit of an enemy, equal + the United and Great Britain could not istitute a cause for misunderstand, g.

"If this was true with Great Britain. how much more with Mexico? We could not guard our frontier then with the army authorized by Congress. Neither can we now; bu that is no reason why our cavalry should not pursue bandits whether they cross the Texan or the Canadian line.

"We have not complained because the British authorities have done so, nor have we complained seriously at the offensive acts of the Mexican government. But, as far as I have influence, I am determined our citizens on the Rio Grande shall have the same protection those enjoy in the interior States. There will not be war. There is no occasion for hostilities. The Kickapoos and Lipans can no longer occupy Mexican territory peacefully. Colonel Mackenzie has already received orders to exterminate both bands, and if his force is not sufficient, to ask for moro. If Mexico is to be an asylum for highway robbers after the United States protests, we do not intend to sanction it. And if the Mexican government complains, this administration has resolved to treat the acces-Bory as enjity as the principal.

sory as guilty as the principal. "The last lines of the above extract will find an echo in the heart of every soldier. We have stood enough from Mexico. Hence forth let us compel her to do justly, or, if not, to submit to the the proper reparation. The United States cannot afford forever to be made the laughing stock of Mexico. Come to order she must or be punished.

THE torpedo question is still agitating the minds of military and naval philosophers in England, the following synopsis of a valuable paper on the subject is from Broad Arrow of 10th May. Our readers will see that the conclusions arrived at in the VolumTEER REVIEW long since are all borne out by the talented and experienced lecturer.

"At the Thursday evening meeting of the Royal United Service Institution, a paper was read by Captain Orde.Browne, B.A., on 'The Combination of Torpedoes and Land Batteries." Major, General F. Eardley Wilmot, R.A., presided. The lecturer commenced by classifying the defence of England in three divisions, as follows :--1. Mines, 2. Torpedoes, which belong to the navy; 3. Guns worked by Artillery. In reference to mines, he was of opinion that no fort could keep out a fleet unless proper obstructions were used, but that each was necessary to the other. He suggested the use of mines fired with Abel's culminating fuze by electricity as the most desirable method—the general brinciple of which may be explained as—a barrel secured to the sea floor containing gunpowder, acting as the mine, in which is a fuze connected with a strong battery on shore and a buoy, so secured as to float a few feet below the surface of the water.

"When the huoy receives a blow, a pendulum is agitated in it which connects the current of electricity from the strong battery to a wire communicating with the mine, and the explosion takes place.

the explosion takes place. "The advantages of this system being that the mine could be placed or removed, and a friendly ship pass in perfect safety, and by a special arrangement it could be found if the mine was in or out of working order. He advocated that the charge should be composed of forty parts nitro-glycerine and the remainder gun-cotton, which had as much power as powder, and was more economi-

The lecturer, in reference to the use of torpedoes, stated Captain Harvey's and

Captain Dawson's Opinion as being that a small steamer with two torpedoes attached, could pass among large ships with few and heavy guns with absolute safety, but in this he said he could not agree. He said that Whitehead's fish torpedo could be directed with great accuracy, but when the ship was in motion, or a tide running, it could not be depended on, even if it had been able to move 800 yards at the speed of ten kn ts, and if it missed the enemy he thought it would prove a dangerous fish to leave abroad. To clear obstructions he suggested the use of shot with a line attached which could be hauled in, and so clear the passage.

"In reference to batteries, he thought some should be placed as high as possible, and others on the water's edge; that the commandants of each fort should be partly under the direction of a general controlling commandant, who would be able to use them systematically, and to more effect than when acting individually-that no rule should be laid down before the action, and each fort should be provided with a plan for the distance of its range. The lecturer estimated that the allowances for penetrative power through iron in an angular position, was in inverse proportion with the sine of incidence, and thought that when the ship was in this position, the gun should be directed at her well forward, about the water line. For penetrative powers under these circumstances he strongly recommended the flat-headed Whitworth projectile, but he stated it was objected to, because the cost was seven or eight times that of the service shot. He referred to the incomplete state of Gilchiker and other forts, and hoped the country would not be continually unprepared in this direction."

With reference to the combination of mines and batteries we quite recently advocated the same system, but it has this disadvantage, that the defence of obstructions must depend in a great measure on the batteries on the lower levels and that the fire therefore may be overpowered by one or two large ships, while properly fitted gun boats of light draft sweeps the obstructions away with the apparatus he describes. In future attacks on shore batteries, it is not at all like. ly that ironclad war vessels will take up a position at all, with their motive power completely under control, it is more likely they will always keep in motion and deliver their fire when within range, the rule respecting the angle of incidence in this case would be of very little use, but the range plan is not only a good idea but should be adopted and experimentally tested.

ENGLAND is engaged in a little war on the West Coast of Africa. Our readers will remember how much praise the Radical Press bestowed on the vigorous policy of the GLADSTONE administration for acquiring the Dutch possessions on that coast, it appears, however, that there is another *claimant* to the property so coolly transferred. It is quite possible that *Mynheer* understood the situation of affairs better than Earl GRANVILLE, and quietly shifted a responsibility of doubtful advantage to John Bull's broad shoulders. It would not be the first extraordinary act of the Foreign Secre-

tary, if such should turn out to be the case. Broad Arrow of 17th May, says :--

"As we anticipated, in our article on the Ashantee invasion, so far back as the 22nd March, the real object and purpose of the African despot in his march on Cape Castle are at length revealed and acknowledged. The following is a verbatim extract from the remarks on that date :-- " The transfer last year of the Dutch Colony of Elmina to our dominion was not carried out without vehement protests from the native king, and as his adherents were, and are, staunch adhe. rents and admirers of the Ashantee poten. tate, it may be easily imagined that they would be ready to afford any and every advantage their strategic position and moral force would carry with it. Accordingly the King of Ashantee, relying on the co-operation of his friends, is now on the march to take possession of Elmina, as a seaport ; but what is far more serious, to avenge his personal defeat by British Forces and their native allies in 1863. The troops in Cape Coast Castle then were upwards of 1,200 strong; now they have dwindled down to two companies! No doubt the handful of soldiers under Colonel Harley, C.B. (who,by the way, served in the former Ashantee campaign), will defend the castle to the last, but we could wish the settlement had a battery of Gatlings, to supplement the painful disparity of numbers by mechanical means." The actual strength of the garrison, includ-ing the crews of four men of war, the Houssa Police, and other local levies, is, we learn from the statement of the Under Secretary of the Colonies, 850 men, and it now appears beyond doubt that 40,000 victorious Ashan. tees are advancing steadily to the attack of the Castles of Cape Coast and El mina, whilst our wretched native allies are in full retreat "all along the line," Under the circumstances the next intelligence will be anxiously awaited."

This threatened complication exhibits another interesting phase of the peculiar management of the Whig Radicals, as well as the folly of intrusting army reformation or re-organization to the hands of civilians alone. The following paragraph from the same journal and of the same date furnishes a text for a telling sermon on the efficiency and value of the changes brought about by Mr. CARDWELL's meddling, and supplies the first earnest of the total failure his military system will, prove whenever it comes to be tried.

"The present threatened invasion of our West African colonies by the Ashantees shows the short-sightedness of that policy which disestablished the West Indian Regiments, for ncw, just on the dawn of summer, we are obliged to ship off an Irish corps to the West Indies, in order to enable black troops to proceed to the Gold Coast. Had nothing so unforeseen happened, the 97th Foot would, in the ordinary course, have proceeded to Bermuda towards the end of the year, whereas now it will go to Barbadoes in the full blaze of a tropical summer."

It took years of experience to arrive at the establishment of *West Indian Regiments*, it only required days for the genius of the English War Minister to put them down as useles, and the above points out the moral of the transaction.

-- -.. THE efforts of the Peace Society have been singularly futile in effecting any portion of the objects for which it was established. Since the Peace Congress of 1919 at Frinkfort, Europe has been convulsed with contests, internicine and international, even Joux BRIGHT'S mission to his dearly loved friend the lato Czar Nicholas was not only a failure but an egrogious mistake, although the same individual's influence in the GLADSTONE Ministry lod to the disgraceful abrogation of the securities which force placed on ambition and is proparing the way for a repetition of worse scenes than those his mistaken of forts wero directed to arrest.

So far from wars having ceased through the meddling of those philosophera it would appear as if they had actually played a prominent part in focring contests which might otherwise never be undertaken. It is notorious that the late CZAR NICHOLAS would never have risked the consequences of the Crimean contest if he had not been persuaded by BRIGHT and his associates that they represented the people of Great Britain and that they, would not fight; be this as it may, a quarter of a century of effort on the part of the Peaco Society is illustrated by the Revolutionary contests of 1848-49-the Crimean War-the Indian mutiny-theAustro-Italian contest of 1859the Schleswig-Holstein war-the civil war in the United States-the Austro-Prussian contest—theAbyssinian war—and theFranco Prussian war-leaving at present in active operation-the following contests, any one of which may lead to consequences, involving a general outbreak, viz .- The Internicine con test in Spain-the civil war in Cuba-the Russian and Khivan contest-the Indian troubles in the United States-theDutch and Atcheen war-the Ashantee contest on theWestCoast of Africa in which England 18 engaged. The lato President of the United States is credited with the saying "that it was a bad time " swap houses while fording a river," with such elements of disorganization abroad it is a bad time for a prudent nation to disarm. and from the known activity of European governments in organizing their armies and their fleets it is evident that little faith is placed on the maintenance of peace.

Those amiable dreamers who meditate on the beauties of universal brotherhood would be horrified to think that they indirectly had anything to do with such a fearful catalogue of evils as detailed in the foregoing enumeration, since their idea took a practical shape of a society organized for putting a stop to violence and bloodshed; it is a singular fact nevertheless, that such is the case, and it can be clearly shown that their intervention has in more than one instance been singularly injurious and disastrous,

THE last Gazette contained the announcement that there were to be no camps of instruction during the current year, but that

Commons indicated hardly satisfaction with ago. the reduction of \$650,000 off the es. We need not point out the necessity which timates for military service, and that, exists for keeping our troops in an efficient ministers might have gone much fur state, the very conditions which compel us ther with their approval, such a con to keep up a military force at all fully illus clusion is inevitable; but we very much trates that requisite of their organization. As question whether in this particular thellouse a part of the British Empire we are bound to fairly reflected the opinions or wishes of the bo able to render the Mother country efficountry; it is quito certain, however, that its | cient military assistance, and as a numerically interests were not consulted. ŧ

gother by well devised safe gunds promin capable of protecting our independence of ent amongst which is a force armed or un- action and national autonomy. With the exarmed as the case may be, known as local or ample of France before us any act tending to municipal police. No sano man will presume paralyzo our military development is not an to meddle with the organization or act of wisdom. standing of such a force, much less to talk of its abolition on the pretense that the tion were that they taught men how to act general honesty of mankind has improved so much that it is useless providing safeguards against dishonesty or violence.

What is true of municipalities and individuals is equally true of nationalities and the great mass of their peoples, and it is as necessary to guard individual wealth from national cupidity as it is to provide against the known danger, from the burglar, or foot pad of social life, the result therefore of crippling the development of a military systom is to leave the State practically defence. less, and to paralyze the force capable of protecting its interests.

A pretty gener 1 idea appears to prevail that the era of wass is passed or is about to pass away for over, judging by the preparations making in other countries such a conclusion must be ranked amongst the fallac.es of popular thoughts and ideas. Parliament appears to be in the state of the English House of Commons previous to some startling event, which has the effect of a fearful outly of public money and a disastrous loss through the consequent and ensuing panic.

We believe that every one of the great commercial crashes which have shaken public as well as private credit, had at bottom the idea of insecurity from political aggressian as the motive power that precipitated each disastrous crisis, and that insecurity was founded not on the fact of immoderate outlay for military purposes, but because that outlay was not sufficient, had not produced a force capable of inispiring "the man upon change" with the idea.of security; and we are quite certain that the efforts of the Canadian House of Commons in this direction will be the cause of a corresponding crisis.

The soldier is the security first and last for the success of the trader, failing that, wealth only belongs to an individual or State as long as they can hold it, and that time can be measured by the exigencies of a better prepared State. The reply of Solon to the Lydian King, whose name has become the the annual drill was to be put in at the Corps synonymn for acquisition, that " He who

Head quarters. With the first before the possessed more iron would be master of the country that the temper of the House of Gold," is as true now as it was 3,000 years

weaker people than our neighbors we are In ordinary civil life society is kept to obliged in self defence to maintain a force

> The peculiar value of the camps of instruc together, and an outline of what the life as well as duties of a s' ...er should be, such knowledge will not be acquired at Headquarter's drill, and the action so far delays the development. The Volunteer principle was gradually leavening the country with good soldiers, with men that could work together under disciplino. There were some drawbacks; too much of the cost of supporting the measure was thrown upon the oflicers, and the pay of rank and file was and is not what it should be; so that instead of reducing the allowance true political econmy would have pointed in the other direction, especially as it is quite clear the country would be receiving full value for its outlay, and its prosperity warranted the advance.

> For the present nothing can be done beyond submitting to circumstances, and en. deavouring to do all that is possible with the means at hand, but it is a grievous mistake for the sake of a paltry sum of 17 cents per capita on the population of the Dominion, to cripple a force that by its prestige alone added many thousand times more to the general prosperity of the people.

> This is a subject, however, on which public opinion is sure to be brought to bear and make itself felt, so that it is quite possible the next session may find the House of Commons quite willing to recognize the claims of the Volunteers, and to call to remembrance that the system is the cheapest, the most effective, and interferes less with the industries of the people than any other.

THE courtesy of Lieutenant Colonel Par-TON, 38th Batt., has supplied us with files of the Nelson Examiner (New Zealand) of 12th April last, containing very interesting news from that colony, and the presentation of prizes to the amount of £587 sterling to the successful competitors at a rifle match on 15th Murch last.

It appears to have been a very gorgeous affair indeed, the prizes being distributed by the Hon. Colonel Ricimions, C.B., assisted by Mrs. RICHMOND. The following extract

will show that the average chooting was very good.

"NELSON AND MARLBOROUGH DISTRUT PRIZES. - The following is the return of the firing for these prizes ; -

FIRST SET.						ł
200 y.ds,	500 yds.	600 yds.	Totals.	£	estrictes	
Pte. W. Soper* .17	18	11	46	7	0	
" E. Sutton*13	15	17	45	5	0	ĺ
Sergt. Boddington† 14	13	14	41	4	10	l
Pte. Crossmant10	16	14	40	2	10	l
Sergt. J. Burnt	14	8	39	2	10	
Capt. W. J. Bailie* . 14	13	11	37	<b>2</b>	10	
Sergt. J. Fuller <sup>•</sup>	16	7	36	2	0	
Pte. F. Sutton*14	15	6	35	2	0	
Lieut. 11. Geo*12	7	15	34	2	0	
Pie. P. Martello <sup>*</sup> 15	11	8	34	1	0	
" W. L. Soper*16	6	10	32	1	0	
" Jeffrey* 8	13	10	31	1	0	

Private W. Soper, of the Spring Creek Volunters, is the winner of the District Medal.

SECOND SET.

ids.	yds.	y'de.	ls.		1268
2.)0 yds.	400	500 3	Totals.	£	ц В,
Pte. T. Gifford* 13	15	15		5	0
" R. Soper•18	12	13	43	3	0
" II. Mooret16	17	10	43	2	0
Sergt. D. Burnst17	13	10	40	2	0
Lieut. D. Monro <sup>•</sup> 14	17	9	40	1	10
Sergt. J. Cane*14	10	15	39	1	10
Pte. M'Allister*17	24	6	37	1	0
Captain Sinclair 1 10	12	14	36	1	0
Pte. Metcalf *11	15	10	36	1	0
* Attached to a name sign	nifies	that	t the	co	m•
petitor belongs to a Marlborough company ;					
f that the competitor is					
Nelson company. It will					
out of twenty one pri					
carried off fifteen, inclu					
medal, and the two high					
set. This i not creditable to our Volun.					
teers."					

It is with feelings of deepest regret we have to record the death of the Hon. Josern Howe, Lieutenant Governor of Nova Scotia, on Sunday morning, 1st June, at Hahfax, in the 69th year of his age. Four weeks had barely elapsed from his appointment, to the first position in his native province, till death terminated the career of one of the greatest men British North America has produced.

A statesman, a patriot, and an orator—a poet, a forcible writer, and an able man, the Hon. JOSEPH HOWE for nearly half a century was one of the foremost figures in that group of statesmen which those provinces have produced.

The following obituary notice of the death of a distinguished Canadian soldier, we copy from the *Mail*.

"Colonel G. T. Denison, s.r., breathed his last at seven o'clock yesterday morning (Thursday). The attack of paralysis of the brain which so suddenly seized the lamented gentleman on Wednesday evening resulted in the gradual lapsing of the patient into a state of como, which was terminated by death at the hour mentioned. The Colonel was 57 years of age. He was born in this city, when it was known as 'Little York.' His father emigrated to Canada from Yorkshire, England. The deceased joined Fitzgibbon's rifle corps during the troublous times of the 'Rebellion,' and served as a Lieutenant in that corps at Navy Island He subsequently served with the same rank in the corps, then known as the 1st York Cavalry, now called the Governor General's BodyGuard, of which the deceased's son, Capt Fred. C. Donison, is now commander. Ho afterwars became commandant, first of all the cavalry, next of all the artillery, and finally of the whole strength of the Fifth Militia District, then comprising the counties of York and Simcoe. **Colonel Denison** was the senior volunteer officer of Ontario, and the only full colonel in the Province. He was enrolled as a barrister about the year 1839, and practised his profession up to 1855. He was the Vice-President and an active officer of the York Pioneers, whose flag courted the breeze at half mast yesterday (Thursday) over the cupola of St. Law. rence Hall, as a token of respect to his During the years from 1843 to memory. 1873 Colonel Denison faithfully served the citizens of St. Patrick's Ward as one of their aldermen, and when he retired from the civic turmoil of that day he was the father of the Council. We had almost omitted to say that he was commandant of the militia district named during the Fenian raid of 1866."

Colonel Denison was the father of "Modern Cavalry," Lieutenant Colonel G. T. Denison, jr.

FROM the Irish Times we copy the following paragraph relative to a gallant Canadian soldier.

"Captain Thomas R. Jackson, 1st Canadian Cavalry, is attached to the 1st Dragoon Guards, Island Bridge Barracks (Dublin)for a period of instruction, with the approval of the Major General Commanding the Forces and the sanction of the War Office."

### CORRESPONDENCE.

The Editor does not hold himself responsible for individual expressions of opinion in communi cations addressed to the VOLUNTEER REVIEW

MONTREAL.

(FROM OUR OWN CORRESPONDENT.)

A court of enquiry consisting of Lieut.Col. Jarvis of Toronto, Lieut. Colonel Jockson of Belleville, and Lieut. Col. Lamontagne, has been sitting during the past few days to adjust the differences between Major Robinson and Colonol Bond, both of rho 1st Prince of Wales Rifles. Without attempting to criticize on evidence so far adduced, I feel sure the matter will be thoroughly sifted and justice done to all parties.

The funeral car which will be employed to take the mortal remains of the late Sir Geo. Cartier to the place of interment is being built by Messrs Larivière, St. Antonie Street, from drawings and designs of Marchall Wood, the sculptor of Her Majesty's statue. The members of the Union of St. Joseph will attend the funeral in a body, also the officers of the Mount Royal Rifles and other corps. The City of Three Rivers will send a deputation to meet the body at Quebec, and accompany it to this city; and at a meeting of the bar of Three Rivers resolutions of sympathy with the family were passed.

The High School cadets consisting of two companies Nos. 1 and 2 lately had a march to the mountain, on Saturday went over to St. Helen's Island, accompanied by Lieut. Colonel Bacon; a number of field exercises were gone through very creditably, and at the target practice in which of course the elder members took part, some capital scores were made. The younger lads had plenty of blank cartridge. The excursion was altogether a pleasant one, and Captain Barnjuin is to be complimented on the marked success he has had with the cadets.

The Military School has closed for the ensuing six months, the final examinations being conducted by Lieutenant Colonel Harwood.

The "no camp" this year has disappointed many. B.

The proceedings in the Tichborne ease have been mors interesting during the last two days. Mrs Jury, a connection by marriage to the Orton family, positively identified the claiment as Arthur Orton, and Sonora Hayley, of Melipilla, recognized in him the Thomas Castro she had known in South America. Other witnesses from Australia have also been examined.

REMITTANCES Received on Subscription to THE VOLUNTEER REVIEW up to Saturday tho 7th inst.-

(Per Capt. and Adjt. L. J. Bland.)

HALIFAX, N.S.-Major Ritchie...... 20

Lieut. Colonol Belcher	2.00
Lieut. McKerron	2.00
Licut. Goreham	
Capt and Adjt.Smithers	
Major Murray	
Capt. McIntosh	
Lieut. Col. J. J. Bremner	
Licut. Flowers.	
Licut. Walsh	2.00
Major J. E. Albro	2.00
Llout. Humphrey	2.00
Lieut. J. E. Curren	2.00
Capt. C. S. Curren	2.00
Llout. Donald Robb	2.00
Lieut. J. C. Anderson 2	

BY-GONES.

"Let by-gones be by-gones,"-they foolishly

And bid mo be wise and forget them ;

And bid mo be wise and longe to day, But of recollections are active to day, And I can do nought but regret them ; Though the present bo pleasant all joyous and

And promising well for the morrow, I love to look back on the years past away, Embalming my by-gones in sorrow.

If the morning of life has a mantle of gray, Its noon will be brighter and brighter; If March has its storms there is sun shine in

May, And light out of darkness is lighter : Thus the present is plensant, a cheerful to-day, With a wisor, a soberer gludness, With a wisor, a soberer gludness, Because it is thiged with the mellowing ray, Of a yestorday's sunset of sudness.

# THE LATEST IMPROVEMENT IN MILITARY BREECH-LOADERS.

When the Small Arms Committee decided after a most laborious and carefully-conducted inquiry, that the Martini-Henry rille was the best and most perfect description of arm which had been submitted to them, they were undoubtedly right in recommending its adoption as the new weapon for the British Army. It never failed during the many severe trials to which it was subjected, and although disappointed inventors protested at the time against its adoption, not one of them could prove that they had any better idea to offer; in fact, the Martini, on its own merits, fairly beat down opposition from every quarter; nor was its trumph at the time undeserved. However, the greatest mechanics in England still cung to the belief that a better, and, at the same time a more simple and inexpensive piece of breech mechanism might be produced; consequently from time to time numerous new ideas have been brought before the publicmany of them of much merit-but those who are acknowledged judges of what is re quired hitherto held that the choice of the Small-Arms Committee had not been surpassed. Yet from the first many defects were pointed out connected with the Mar-tini. It is undoubtedly somewhat compli-cated and expensive in its construction. Its too numerous parts require much time and skill in their manfacture, and necessitate the employment of elaborate and expensive machinery. The mere "assembling" of the various parts is a matter which has to be taken into consideration. Now that we have crected all the necessary machinery for its construction at our Works, it may be, per-haps, questionable whether it would bed esirable to throw aside the selection of the Small-Arms Committee, and adopt a more easily constructed breech action, unless, indeed, it would be proved that an absolute saving would be gained thereby.

In the event of a war, we, ourselves and our colonies, must be supplied with arms, and it is desirable that we should not only possess a good arm, but one which our colo-nists might be able to manufacture in their own workshops; again, the description of arm should be easily made and inexpensive. Now, to have a cheap arm, and ono that would be expeditiously made, we must have few parts to construct, norshould these parts require much nicety of finish, in order to make them work properly. We fear that the Martini, with all its excellence, would prove not only very costly, but owing to the time and care required in its construction, a

arms for our own masses, whilst our colon ics, without the requisite expensive machinery, would be totally unable to provide themselves with the same description of weapon. So, if we can find a breech mee hanism at once pefect in all its details, easily and cheaply constructed, one which the workshops of Canada or Australia might rapidly produce, we should be justuled, oven now, in rejecting the Martini, and adapting our machinery for the construction of a more easily made and less elaborate style of breech action.

The Martini, we know, consist of 30 separate lever pieces-viz, body. lever, block-lever, catchpiece, trigger guard, stock bolt, block, coiled mainspring, extractor, indicator, stock bolt washer, tumbler, striker, nutstop pin block axis, thumbpieco index, locking bolt, thumbpiece, trigger, tumbler rest, block catch lever pin, trigger spring, locking bolt spring, extractor pin, tumbler rest screw, trigger screw, keep screw, thumb piece screw, trigger spring screw, index thumbpiece screw. All of the parts necessitate material in man afacture, and time and labour in finish and fitting; whereas the latest, and by far the most simple and ingenious breech action which has hitherto been invented, that of Mr. Aston, the armourer of the School of Musketry, consists simply of ten parts in all, viz., body, breech block, hammer and tumbler in one, mainspring and sear spring in one, extractor, trigger and sear in one, side lever, claw lever, extractor pin which also holds the hammer and trigger plate, and breech tong pin.

The body, which is fixed to the stock by a tong pin, is somewhat similar to that of the Martini. only much shorter, being but 21 inches in length, so that it can easily be caso hardened. The greater length of the Martini renders casehardening extremely difficult, if not altogether impossible.

The breech block has a slot cut for the hammer to move in, and has a small hole through the center of its face for the point of the hammer to strike the cap. On each side of the breech block is a strong stud for a claw lever to act on when opening or clos-The hammer, which also acts as tumbler,

his one stul on each side fitted for the down ward movement of the breech block, by which it is brought to full or half cock, The tumbler end of the hammer is curved so as to act on the bottom end, or foot of the extractor tor throwing out the cartridge case. The other end or point is made to press through the small hole in the face of the breech and explode the cap. The hammer can be made to suit either a hook or swivel mainspring. The mainspring is a single flat piece of metal screwed by a pin, and acts also as sear spring.

The extractor is somewhat similar to that of the Martini, and is acted on by the lower end of the hammer when comming to full cock. The foot of the extractor is made longer than that of the Martin, and is bent to a smaller angle, by which means more power can be brought to bear in extract ing.

The trigger, which is fitted to the triggerplate, has a slightly prolonged nose, which acts as sear to enter the full and half bents of the tumbler. No separate scar spring is necessary to secure its action, the mainspring performing this function.

The side lever for opening and closing the breech consists of a flat piece of iron fitted difficulty would be found, in the event of a simple and most ingenious contrivance to sudden outbreak of war, in supplying with proper expedition a sufficient number of means of this lever the rifle can, at pleasure, on the right side of the action, and has a

bo placed at full or half cock-tho hammer having two bents in its tumbler, and a slight downward movement of the lever allows the sear, which is a part of the lock may again be brought to full cock for fining by a further downward movement without ejecting the cartildge

The lever which moves the breech block and to which the side lever is attached by a key, consists of a piece of steel acting on the stud of the breech block, to which it attaches itself by means of claw shaped cuts

When the side lever is lowered the claws force down the breech block, and bringing the hammer to full cock eject the case.

The key of the side lever passes through a round hole in the claw lever, where there is a slot to receive the stud of the key. This stud also prevents the side lever worked out when in use. The extractor pin serves at the same time to secure the hammer and trigger plate. In fact, in every portion of the Aston breech action we are not only led to admire the beauty of its mechanism, but also the wonderful skill with which the inventor manages to economise the parts in the performance of their several separate functions. One pin holds the extractor, hammer and trigger plate; the point of the hammer explodes the cap whilst the other end acts as tumbler, and also as lever to eject the case.

The mainspring is made to perform the double duty of causing the blow of the hammer and at the same time secures the action of the gear. And yet too much work is not imposed upon any single part! In point of fact, the whole action may be said to consist simply of seven parts,-viz., breech block, hammer, extractor, mainspring, trigger, sido lever, and claw lever. Moreover, the whole of these parts can be stamped out at a single blow. The action of Aston's hammer is a manifest improvement on the Martini striker. The latter is worked by means of coiled spring, having a force of 45lb., the striker being merly pushed against the cap, whereas the Aston Hammer describe a quarter circle in its descent on the cap, thereby giving it a blow, and requiring but a comparatively light mainspring. Mr. Aston finds that one of a force of seven pounds is amply sufficient. It is computed that the cost of making a rifle on the Aston principle, with everything complete, would not amount to more than 40s., with the Henery barrel, which is the most expensive description of barrel we have. We believe it will yet be found that the] Martini action is too expensive and complicated in its construction, and we do not hesitate to say that the Aston breech action has fairly surpassed it, and, indeed, all other inventions, o 1 account of its mechanical perfection, the simplicity of its construction, and the case, rapidity, and economy by which it can be manufactured.

# PRUSSIAN TACTICS.

The conclusion arrived at by so great a military Power, as Prussia, relativo to the fighting formation of her infantry soldiers, cunnot fail to be of interest to our readers; and they must also, we imagine, be of the greatest practical importance, coming after the late war experience, and the actual use of tactics based thereon during the last drill season. They are expressed in the following Royal Prussian Cabinet Order, dated March 19, 1872, and quoted in the Military Warken blatt, of April 2, 1873 :-

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### INSTRUCTION OF INFANTRY,

"In pursuance of my order dated Ems, 4th of July, 1872, 1 ordain-the report of the generals relativo thereto having been laid before me-that the following rules come into use in the instruction of infantry, until further orders : -

"1. When actually under the enomy's firs the employment of batt-the enough set of the set o tha first line is therefore to be in company columns. The battalion must, however, under all circumstances be in the hands of their commanders, who command their company columns in the same way as the regimental commander does his batta lions.

"2. When the Enomy's fire readers it necessary, the 'treffen' (bede s of troops) in rear mustalso as sume an appropriate forma tion, in order to lesson its effects. It may, therefore, be suitable that these 'treffen or certain of them, from wholly or partially in company columns or in line. The companies may also deploy in line, or break off into half 'zage' and sections. At wheelings and alterations of direction of the 'trutten,' the battalions have, however, as a rule, to assume the formation in columns

" 3. For the formation of the skirmishing line, half 'zige' at least are to be employed at once.

"4. The troops in support may follow the skirmishing line in hue or column (in zuge, hulf 'zuge,' or sections) and, quite as an exception, also in file.

"5. The artack under certain circum-stances, and with due regard to the ground can also be carried out as follows :-After running across a space of fifty to sixty yards the troops throw themselvesdown, and after a short pause, the advance will be continued in this manner (the advance by rushes). The regulations for the execution of the bayenet attack in line, and in large or smiller columns, remain in forco.

"G. A cavalry attack can be received in other than the square formation. The troops will have their attention drawn to the approach of cavalry of the enemy by the signal, · Look out,' (Achtung!) whereupon the leader will order the formation most suitable to the circumstances.\*

"7. The distances laid down in sections 114 and 120 of the regulations will be mcreased in accordance with the object of the exercise to be performed.

"8. Regiments and brigades must be practised in executing precisely movements in accordance with the formations submitted.

"In the above rules the demands of modern fighting have been taken into account. I must, however, impress strongly, that in the instruction of companies, battalious, regiments and brigades, the following sections of the regulations Nos. 43, 85, 95, 53, 112, 113, 114, 115, and 130 have to receve increased attention; so that the multiplicity of fractions, and the development of strong lines of skirmiskers, necessitated by the manner of fighting of the present day, do not lead to a disastrous lossening of the tactical combinations. This danger can only be effectually opposed by an intimato knowledge of the fighting formations on the part of the officers, and by a high degree of fighting and fire discipline, combined with a well grounded and strictly executed system of dull (exerzir-schule). Athough I have to make such increased demands upon the instruction of infantry, I nevertheless accord " some relief; for the practice of some of the the same qualities -or, should we choose any particular ship to engage any particular

practice of some of the regulations formations] will in part bo entirely abolished, and in part undergo a modification.

"I therefore ordain that the following he no longer practised :-- The counter march (S. 34); column formations by placing the subdivisions one before another (S. 60); deployments upon a rear division (S.S. 94, and (6); 'novements with the attacking column formed in three ruks; breaking off and forming up the division in the attacking column on the flanks (S. 73); the formation of the skirmishing subdivision in open and closed column (S. S4); and the formation of square in three ranks (S. S9).

"Further-the following are no longer to be made the objects of an inspection :--The formation of subdivision columns to the left (S. 60); and the deployment from the same (93). the marching in file of a battalion (8 63); breaking off and reforming the attack ing column from the head and tail (S. 79); and changing the attacking column into the close or open subdivision column (S.

80.) "The breaking off by 'companies' and forming the attacking column, as laid down in S. 79. remains as before, an object of practice and inspection,. You will cause the above to be further promulgated.

"T the War Minister.

" WILLIAM. (Signed)

" The above Royal Cabinet Order is herewith made known to the army

V. KAMECKE. Signed,

A translation of the previous Cabinet order referred to above, and dated July 4,1872. will be found in a pamphlet published some time ago on "Experimental Tactics," by Colonel E. Newdigate.

# SPECIALIZATION OF SHIPS OF WAR.

(Translated from the Russian in the Revue Colonials et Maralime for May, 1873.

We now come to the next question : What order should take the place of the old fashioned line of battle?

When we speak of an "order of battlo" wo must be understood to mean the order in which a fleet should advance to meet ano ther hostile fleet.

The authorities, who have written most recently on the subject of naval tactics, two Austrian naval officers, Lieutenant Weyprecht aud Captain Oesterreicher, speaking from inpressions formed and experience gained in the combat of Lissa, deny in loto that any order whatever can be maintained during a naval engagement in the present day. Probably the majority of officers will coincide in this view.

As to the best order for commencing an action, opinions are divided. We have single and double lines, wedges, parallelograms or naval squares, and double indented lines, but all these subdivision d arrangements are not strictly see using orders of battle, but rather dispositions of the fleet. Assuming that in certain of the above cases it is necessary that the pasting of the several vessels in each sectional position of the fleet should be determined by the peculiar attributes of individual vessels, it will be found that the question has not been touched upon at all by tactical writers, With a fleet subdivided into smaller portions, each forming a sort of tactical unit by i self, it would be of greater importance to ascertain what ships should be combined in each. Should we post to gether ships possessing, as far as possible,

thom so as to supplement each other and afford mutual support? We have as yet been told nothing upon this point : and yet these interior arrangements are of far greator importanco than any general plan of forma tion for the whole fleet.

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But the interior arrangements of a fleet m order of battle can only be rendered truly elective by a thorough acquaintance with the special qualities of every vessel in the fleet, and also those of the enemy's ships. Those who have hitherto written on the subject of naval facticis, speaking constantly of ships of war in the abstract and en masse, without attempting a more minute examination of the various qualities which constitute the chief value of individual vessels. which have had no motive and no means to enter into these details. Nevertheless, in these very details lies the essence of the naval tactics of the future.

Trammelled by old fashioned habits of regaiding naval tactics, M.M. Weyprecht and Oesterreichen have arrived at the conclusion that the science of naval factics no longer exists. And in regard of vessels with indeterminate qualities, whose principal role is ramming, they are no doubt right. .46 soon, however, as we begin to recognize distinctions between ships depending on their qualities and armaments, we are led to the consideration of the specific qualities of each class, upon which qualities must depend the method of handling each individual vessel, and its position in the order of battle.

Naval factics thus presents a wide field of study-a study necessarily involving considerations of naval strategy, a science which at present has no existence.

Viewing the matter broadly and considering how confused and entangled are the questions at issue, it appears absolutely necessary that these two branches of scienco should be fused into one under the head of marulime warfare.

With the facilities for manœuvring which the vessels now possess, the sea may be re-garded as a vast field of battle, where the outposts of the side remaining on the defensive occupy, the whole length of the latter's coasts.

If then, a direct answer be required to the question : What should now be the order of battle for a fleet or squadron putting to sea with the object of bringing the enemy's fleet to an engagement? we can only formu late the reply thus:-The order of battle will depend absolutely on the descriptions of vessels of which the said fleet or squadron is composed, and also upon the composition of the hostile fleet.

Then comes another question. In engag ing an enemy of inferior strength, it is still desirable to close with the latter as far as possible?

This question, which in times past was generally decided in the affirmative, must now in most cases receive a negative reply.

For example, a heavy ironclad attacked by a small armoured rain or torpedo vessel should not only not close with her oppon. ents, but should endeavor to keep them as much as possible at a distance. This rule is not without exceptions, as in the case where the ironclad finds herself abreast of the ram when she must use all her endeavors to keep her opponent in such a position. But this is an exceptional instance. In the case of ships forming an unbroken line-including not only runs and torpedo vessels, but large sized armor clan ships, provided with spars and torpedoes as auxiliary weaponsit is impossible to decide at what particular distance it will be most advantageous for type of adversary, without knowing inti-mately beforehand the specific qualities of one and the other.

The conditions of attack and defence in this case alike depend entirely on the qualities and armament of the ships engaged. A direct answer to the foregoing questions appears therefore impossible.

In our next and concluding notice we shall have to consider: What is now the true measure of the fighting powers of a ship of war.

### THE SWISS ARMY.

'The Farhbucher fur die Dutches Army and Marine in a notice of the Swiss Federal Army furnishes the annexed particulars :-- The new Swiss bronze breech loading field gun is 8.4 centimetres in calibre, and weighs 433 kilogrammes; the ordinary charge is 840 grammes. The weight of the projectiles are as follows : shells, 5.53 kilogrammes; shrapnell,5.61 kilogrammes; canister, 5.53 kilogrammes. The gun is mounted on an iron field carriage, provided with side boxes. The limber is also of iron. Both are fitted for practice with wooden wheels. With forty rounds in the limber boxes, and a team of six horses, the total draught of the plece is 1,600 kilogrammes, or with a detachment of five guns mounted on the gun and limber boxes, 2,000 kilogrammes. The range and accuracy of fire are very favourably report ed of. The terminal velocity of the shell was found to be 356 metres, at a range of 600 metres with an elevation of  $0^2$  45'; 239 metres, at a range of 2,500 metres, with an elevation of 7°; and 195 metres at a range of 3,500 metres, with an elevation of 11° 30. The fuzes used with the shells are a modification of the Prussian fuze. The shrapnells are an improvement on the Boxer shrapnell They are of wrought iron with cast iron ends the bursling charge being contained in a central brass tube. The charge consists of 130 bullets of 16 millimetres diameter, 20 of them being of zinc, weighing twelve grammes each, and the remaining 110 of hardened lead, weighing 22 grammes each. This com pound consists of four parts by weight of lead and one of antimony. Shrapnels of like pattern are used with the steel 10 centimetre and the bronze 12 centimetre guns for artil-lery of position. The canister shot consists of tin cases fitted with wooden bottoms, and filled with hardened leaden bullets of 24.5 millimetres diameter, weighing 75 grammes The revolver adopted in the Swiss cavalry and artillery is stated to be an excellent weapon. It is an improvement by a Major Schmidt on the six shooting "Chame ot Del-vigne" revolver. The manufacture of the weapon is in progress at the establishment of M.M. Perlot *freres*, at Liege. The total number ordered is 30,000, of which 800 were ready for delivery on 1st February last. A lighter description of the same weapon, to be used with the same ammunition, has been proposed for officers and men of the infantry. Some experiments with this we tpon were commenced in November last, which were understood not to be concluded when the notice was written. An order of the Federal Government of 4th November, 1872, provides that the whole of the land wehr infantry should be furnished with breech loading rifles in the course of the current year; also that by the end of the year 1864, the whole of the active and reserve infantry contingents of the Federal Army shall be equipped with the new " Vet. terli" repeating rifles. Of these 119,000

stand have been ordered, of which 65,000 have already been delivered. For the an nual manœuvres, which are to take place under the command of Divisional Colonel Scherer. the following troops are detailed : two battalions of rifles, nine battalions of infantry in half battalions, one squadron of dragoons, to 8 centimetre field batteries, one sapper company, one field telegraph de tachment, with commissairiat and pontoon train in proportion. The Divisionary staff guides will perform the duties of field gendarmes. The sum voted by the Federal Bovernment for military purposes during the current year amounts to 3,000,000 francs £125,000) the remaining cost of the army being defrayed by the several cantons indi vidually.

### RIFLE MATCHES.

### RIFLE TOURNAMENT.

The Rifle Tournament which the officers of the Sarnia Battery, Garrison Artillery, were obliged to postpone during the Christmas week on account of the storm, took place at the range on the 23rd and 24th ult. The Battalion, with the exception of the Oil Springs and Forest companies, was represented. The Battery, under the G.T. Rifles, and a few members of the Association took part in the contest. The following is a list of those who took prizes, with the scores of each.

### VOLUNTEERS AND ASSOCIATION MATCH.

		1
Ens. McLea	29	\$7.00
Capt. Wood.	28	6.00
Sorgt, Vanaken.	<b>29</b>	5.00
Capt. Cruikshanks	27	3,00
Sergt, Adams	27	4.00
Pte. McIntyre		
Sergt. Cruikshanks	20	1.00
Corp. Munroe	22	1.00
J. F. Elliot.	19	1.00

### SECOND MATCH.

Volunteers, non com'd. officers and men.

Sergt. Ticknor	33	\$7.00
Pte. Bass.	30	5.00
Pte. McIntire	<b>29</b>	4.00
Sergt. Adams	27	2.00
Sergt, Ellis	22	1.00
Sergt. McElheron	21	1.00

### THIRD MATCH.

Officers of 27th Battalion, ....T.R. Rifles, and Sarnia Battery.

Ens. McLea     28       Ens. Dalziel     25       Capt. Wood     17	4.00
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### 4TH. CHAMPION MATCH.

Open to all who have made an average of outers. Seven rounds at 400 yards.

l	Sergt. McElheron	23	\$10.
	Ens. MoLea.	20	8.
l	Pte. Wosley	17	6
	Ens. Dalziel	17	4
	Sergt. Williamson	16	2.
	Sergt. Ticknor	15	1.
	Capt. Wilson	15	1.
	Adjt. Fisher	13	1.
	Sergt. McIntire		1.
	Pte. Bass.		1.
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McLea made the largest score, his prize being \$21, made jup of a morocco satchel, the gift of Mr. D, McKenzie, value \$6.75, a lady's sacque, the gift of Mr. John Crawford, \$3; a pipe, 50 cents, and cash \$10.75. Captain Cruikshanks stands second on the list for \$11-a meerschaum pipe, the gift of Mr. J. Woods, \$5, cash \$6. Sergt. McElheron took \$11 in cash and goods ; Lieut. O'Neil took the first prize in the officer's match value \$10

On the whole the matches were well con' tested, and, with the exception of the wet ground, tue circumstances were all that was desired by the lovers of this rational kind of amusement, which combines pleasurable ex. citement with a patriotic duty. We are only sorry that the tastes of a larger number did not lead them to the range on the national holiday. - Thé Canadian.

### THE SHIPS OF THE FUTURE.

At the Royal Academy banquet on Satur day evening, Sir J. Packington, in responding for the navy, said: "It is with a pang of regret we no longer see depicted on your walls by Stanfield, by Turner, and many other of our marine artists, those beautiful picturesque ships which used to contribute alike to our artistic taste and national pride. Those ships are now the ships of the past. If we turn to the ships of the future, I am afraid there is no chance that any artist will ever be induced to give us the portrait of the Devastation, the ships of the future will have no canvas upon them, and I fear we shall never see them on canvas. Our beautiful ships are now changed to unsightly mon' sters, which I fear will never be seen on the walls of the Royal academy; but we trust and fully believe that they will be bet ter adapted, perhaps, than any others have been to the protection of our shores; and of this I am quite certain -whether or not these ships of the future be exhibited on these walls, they will be commanded by offi cers as able and as brave, and by crews as gallant and true, as have done honor to our flag, and fought the battles of England in times of yore in our old wooden walls."-Broad Arrow.

The Devastution made a short cruise ycsterday from Queenstown. The ship behav ed well, and made 12 knots under easy steam.

Prince Jerome Napoleon has arrived in Paris. His presence causes much agitation in the Lobbies and in the National Assembly.

BRAKFAST .- EPPS'S COCOA.-GRATEFUL AND COMFORTING .- The very agreeable character of this preparation has rendered it a general favorite. The Civil Service Gazette remarks:-"The singular success which Mr Epps attained by .00 his homospathic preparation of cocoa has never been surpassed by any experimentalist. By a thorough knowledge of the natural laws which .00 00 00 govern the operations of digestion and nutrition .00 and by a careful application of the fine properties of wellselected cocoa, Mr. Epps has provid-.00ed our breakfast tables with a delicately favour-.00 ed beverage which may save us many heavy doctors' bills." Made simply with boiling water or mill Sold the simply with boiling water .00 .00. or milk. Sold by the Trade only in jlb., jlb., and llb. tin-lined markets lib. tin-lined packets, labelled-JAMES EPPS .00 It will be seen by the above that Ensign Co., Homeopathic Chemists, London, England.