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# olunteer Keview NAVAL MILITARY AND GAZETTE.

Journal Deboted to the Interests of the Military and Anbal Forces of the Dominion at a nund :

VOL. VII.

OTTAWA, (CANADA,) TUESDAY, DECEMBER 9, 1873.

No. 49

#### NEWS OF THE WEEK.

The storm of Thursday last was the most severe one of the year. It blew a perfect hurricane the whole day, doing an immense amount of damage to life and property. It was particularly severe in the neighbourhood of Richmond and Carleton Place. Several houses were blown down, others unroofed, bricks from chimnies flying through the air in all directions, and making a perfect reck of telegraph poles thereby cutting off all intercourse with the outer world. Loud Boreas ruled supreme. It is said that at Carleton Place piles of sawn lumber were carried through the air like bits of paper, and one man was seriously injured by a falling board. Another man named Alex. McRes, while in the act of closing the door of Mr. Byer's barn, Richmond road, wis instantly killed by the door being violently swung open by the action of the wind striking him a fearful blow on the head. The casualities in and around Ottawa are too numerous to narticulaise. We doubtless shall hear more of its doings when the telegraph gets again into operation.

This year has been more than unusually prolific in marine disasters, and its close is marked by the loss of the Ville de Haure, by which two hundred and twenty persons have perished. The Ville de Havre, a large and insgnificently fitted steamer, plied between New York and Brest. At two o'clock on the morning of the 23rd of November she came into collision with the British ship Lockerry from Glasgow, and sunk in ten minutes, being only time to save eighty-seven persons

The President of the United States has presented his annual Message to Congress. He begins by referring to the financial crisis, and that the relations of the United States with other nations continue to be friendly and cordial. He then refers to the settlement of the Aalabama and other claims by the Genera and Washington conventions growing out of the late Southern rebellion, and recommends the appointment of a special court to consist of three Judges who shall be empowered to hear and determine all claims of aliens upon the United States arising out of acts committed against their per-I force in the Northwest has been discharged I having being saved but the books.

son or property during the insurrection. The next subject of importance is that of the capture of the Virginius, by Cuban authorities, and of the settlement of the difficulty with the Spanish government; and asserts his "conviction that the existence of African slavery in Cuba is the principal cause of the troubleous condition of the island." Suggests a better method of electing the Presi dent and Vice President of the nation-the establishments of Clearing Houses, and to secure a larger proportion of the Carrying Trade-the revision and codification of the Tariff laws, and the opening of more Mints for coining money—the necessity of the Navy being increased and put in a better condition for sea service—recommends the repeal of the Bankrupt law so far as it provides for unvoluntary bankruptcy on account of the suspension of payment. These constitute the principal items shadowed forth in the Message.

The Quebec Legislature was opened on the 4th, and that of British Columbia is summond for the 18th.

Since our last, the following additional members of the Cabinet have been elected The Hon. Isaac Burpee, Minister of Customs; Hon. R. J. Cartwright, Minister of Finance.

During the investigation into the loss of the steamer Bararian, the ladies' maid swore positively that the large boat, in which was the pilot, Napoleon Dufour, and several Frenchmen, was rowed away without making the slightest attempt to save any one; also that it only took five minutes to bail out the bost, and that it would have held more. She was in the boat, and the water only came over her boots. The evidence of Mr. Parmenter, Toronto, was to the same effect All the witnesses testify to the suddenness of the disaster. Communication between the two ends of the vessel was entirely prevented, which added to the confusion.

It is said there is a large emigration from the United States to Manitcha.

A firm in Montreal has this season shipped 30,000,000 feet of lumber to Monte Video. Buenos Ayres, and 20,000,000 feet to the United States.

A considerable portion of the surveying

for the winter, on account of the exhaustion of the appropriation, although the Government are retaining as many as possible, for which a supplementary estimate will have to be obtained.

A deputation from Manitoba is coming to Ottown to progotiate with the Dominion Gov. ernment for the enlargement of the "Prairie Province." in accord once with an act passed by its local Legislature at its last session. It is proposed to extend the Province exstward to the boundry of Ontario, which is yet un defined, and also to the north and south for a considerable distance.

A report from the Cape Coast says another engagement has taken place with the Ashantees, in which 40 Englishman and na tire auxiliaries were killed and wounded. The Ashantees boldly attacked the British position, but were driven off.

The British Government experiences great difficulty in obtaining recruits for the army.

The Washington correspondent of the Roston Journal says that army officers, returned from the Yellowstone expedition. report that the greater portion of the land near the the line of the Norther Pacific is valueless.

Stinley, of African notoriety sailed recently, as a correspondent of the London Times, for the west const of Africa, taking with him a large steam launch.

During the recent hurricane at Tortugar, West Indies, it is said a solid bar of irous weighing 1,800 pounds, was carried 100 yards over the paramet of the fort. -

The sardine tisheries in Franco at present employ 20,000 sailors and some 18,000 men, women and children on lend to prepare the fish for market.

Fully two-thirds of the writers on the New York press are under thirty-five years of age, and nearly one-half are scarcely thirty.

Captain Cameron, of II, M. North American Boundary Commission, and Lieux, Colonel French Commissioner of the North West Police force, reached St. Paul, Minn., on the 5th en route for the Manitoba,

By late advices from Fort Garry. Manitolia, we regret to learn of the total destruction by fire of the Parliament Buildnes; nothing

#### THE BATTLE OF LEPANTO.

THIRD ARTICLE.

(Continued from page 538.)

And now each fleet was in order of battle, in the form of a half moon with its horns in advance. On the right of the Christians was the famous Dair, with some sixty Sicilian Genoese, an Maltese galleys; on the left the provedit re Bubarigo, with a like number of Venetians, while the centre. or battle, as it was then called, composed of eighty of "the best vessels that had ever been built," was led by Don Juan himself with the great Colonna on his right, and the veteran Veniero on his left, who notwithstanding his disagreement with his comman der-in-chief, seconded him, on this occasion, loyally and well, thus setting the seal of honor upon a long life devoted to the service of his country. The reserve of thirty six vessels was conducted by the chivalric Don Alvaro de Bayan, marquis of Santa Cruz; and just astern of the Real-the designation then given to the ship of a Spinish admiral in-chief-vas Don Juan's old precentor in the art of war. Dm Luis de Reputsens, commander of C'stile.

The buttle of the Turkish fleet consisted of ninety six vessels, of which the right centre was led by Ail, the left centre by the Bashan Perten. The right wing was in trusted to Mehemet Sirocco Viceroy of Alem ndrin; the left to the Calabran renegade Uluch Ali, Dev of Algiers. In rear of the battle was a strong reserve, common ded by Amurath Dright, an officer of approved copacity, experience, and valor,

When the two fleets had approached within a mile of each other, they ceased rowing, in mu u d admiration for the day was bright and be wiful. Not a cloud disturbed the repose of the blue sky above. nor a solitary cipple that of the placid waters below, and the middey sun shone with resplendent lastre upon lance, and shield, and seim ter-upon glittering breast plates and helmets of burnished -teel Tue great banner of the Langue, with its piteous crucitiz, at the foot of which were to be seen the arms of Venice, Spain, and the Pope, bound together by a cicular chain was not more conspicuous than the green standard of the Prophet, all covered with verses from the Korm, in let ers of silver and gold. The red flig of the corsains of Algiers, with its hateful device, the head of the fierce Hali, son in-law of Mohammed and the dreadful enemy of all the Christians of his day, was well met by that of the knights of Saint John, whose presence on the battle-field was ever a terror to their foes. And along the whole infidel line the ancient Byzantine oresent, now appropriated by the Turk, and suggestive of devastation and death, was nobly opposed by the pure, white cross inscribed on every banner in its front, teaching the story of the life to come.

A gun was fired by Ali, and, as if aroused from slumber by its report, the Christian fleet began its move, and opening from the wings and centre, unmasked its six levis-thans—for such the Venetim galliasses must have appeared to the eyes of the astounded moslimin -which, passing through the gaps left for them, now rowed slowly and majestically forward until they had got a half mile in advance, when they lay on their oars, while the vessels that had made way for them resumed their stations and the line was closed as before.

Then a deafening cheer arose from the

bitter reproach and insult to the Moslem; yet not for this did the Turks, who were already in motion, cease for a moment in their career. On the contrary, brandishing their weapons and striking their shields together, after the minner of their remote ancestors when engaging in battle, they replied to the taunts of their enemies with long shouts of God is great! Mohammed is his Prophet! and urging their galleys to their utmost speed, advanced steadily and in splendid order to the encounter.

Their extreme right, piloted by a Genoese renegade, who knew the soundings of every foot of the gulf of Lepanto as an astronomer knows the stars, boldly dashed through a narrow and intricate passage between two coral reefs over which the sea was even then breaking, and assailed the Venetians in flink while Uluch Ali rapidly extending toward the left, endeavoured to turn the Christian right. Foiled in this by his adversary, the descendent of a long line of distinguished admirals, and himself the most experienced of the Christian commanders, the redoubtable corsair, who well deserved the name afterward bestowed upon him by the Sultan of Al Kilich, or the Scimetar. made directly for the Maltese galleys, which during the minœuvring necessary to prevent the right flank from being turned, had become widely separated from their consorts, and sinking some of them and disabling others, carried off their largest vessels in win uph. Then passing through the line and attacking it in rear, he forced Don Aivero de Bazon, with all his strength, to hasten to the relief of the out numbered and overpowered Jenoese, whose vessels, sorely beset on all sides by the Algerines, sere fast falling into infidel hands.

While such was the success of the Turks on the left, on the right, where they had commenced the fight under such favourable respices, fortune was preparing to set her bee against them; for the proceditore, far from being dismiyed at the approach of his nemies through a channel which his own pilots had told him was impracticable. ordered his flinking squadron to make a half wheel to the left, in readiness to receive them; while he himself, with his remaining squadrons, advanced, in unbroken line, to attack Mehemet Sirocco, who had opened a tremenduous fire on his front For three long hours the buttle was carried on, in this quarter, in the most vin lictive spirit by both parties, while the old lion of St Mark, rest lessly impelled by the breeze to and fro. above Burbuigo's head glared fierc y down upon the crocodite, whose distended j wa served as a beak for the Egyptian viceroy's gilley. The fight between the fligships was sustained with equal vator on both sides. and each admiral was gullantly supported by all the vessels of his command; but Brbarigo, falling to the deck, pierced through the eye by an arrow, the crews of his vessels became disheartened, and, disregarding the remonstrances and threats of their officers prepare to strike flags to the Egyptians. The cry for a surrender has passed from ship to ship, and m a few moments, on the left, on the extreme right, the cross will cease to fly in presence of the cresent. What hope then of saving the Christian centre? "Christ will descend to who, holding aloft the crucifix, oppose his single person to the hosts of Egyptians now pouring aboard their fancied prizethe Venetian flag ship. A hundred arque-busses are levelled at his breast, and a whole Christian front, followed by cries of lot unscathed, he still remains, erect, way christian hands; there a Turkish galleon,

ing the holy symbol high in air. Encouraged by the miracle, the Christians now furiously turned upon their assailants, while the Turks, seized with mortal terror, first waver, then fly! Sirocco and his chief cap tains nobly endeavouring to rally them, are either slain or desperately wounded, and victory at last declares in favor of the Venetians.

The centre vessels of the Turks, opening to the right and left, and pulling at full speed by the gallesses, whose broadside batteries made sad havoc among them as they passed, now formed in close order, and steered for the Christian centre, from which, when the infidel drew near, a single galley, having carved upon its bow the armorial bearings of the House of Austria, rowed forth, and, in token of defiance, fired a blank cartridge in the air, as in the late rebellion of the Moors of Granada, which Don Juan had brought to a termination so glorious for himself and his country, when hostile forces met, a solitary Spanish volunteer was wont to ride to the front of his command to dare to single combat the Moorish knight who appeared as the leader of the opposite party. Stung to the quick by the bravado, the impetuous Ali bore up at once for Dan Juan, aud, as his vessel was under full headway when she struck the real, the bow of the latter was severely injured by the collision and Don Juan, who was standing on the forecastle at the time, must have been crushed thereby had not an old seaman picked him up and carried him in his arms as far aft as the fifth bench of rowers. Ali's galley felt the shock from stem to stern, and his officers and men suffered fearfully from the fire of the real, whose detenders were fast falling under the deadly sim of the Turks. To right and left now, along the whole line the battle raged with terrific fury. The roar of the artillery was incessant, and heard for many miles, and volley after volley of small arms sounded the death-knell of hundreds of gallant soldiers and seamen boh of the Turks and of the Christians. The Marquis of Santa Cruz, occupied, as we have seen, with Uluch Ali, could render no assistance to Don Juan; while the Turkish reserve was fully engaged, it appears probable, in preventing the g lleasses from falling upon Ali's rear; for upon no other hypotheses can we account for our not hearing anything of it at this most important juncture when the addition of a few fine ships to the Turkish centre must inevitably have turned to the scale against the Christians, and caused the defeatof that portion of their fleet upon which the safety of the whole depended; for the battle had now become a melee wherein everything hung upon the number and strength of the contending vessels and the courage, endurance, and discipline of their crews. In such a conflict the great point was to keep the head of one's galley ever pointed towards the foe and its crew well in hand, in readiness to board or to repel bourders, as opportunity might offer or occasion require. If a vessel became disabled in her motive or steering power, straightway she was rammed by several enemies at once, and went to the bottom with all on board; or firebrands or burning darts were thrown at her arom every diraction, and in an instant she was all ablaze, her men either perishing miserably in the flames or jumping overboard to be despatched by the sweeps of some hostile galley. Here was seen a Christian yessel. her decks covered with the dead and the hundred scimetars flash above his head; but dying, whose flag was being lowered by un-

with battered sides and scuppers running blood, borne off in triumph under the banner of Venice or Castile. Ere long, however, the fleets were so enveloped in smoke that these piteous spectacles were no longer visible; yet the noise of the cannonade continued, intermingled with that of falling masts and spars' the crash of colliding vessels, and the fierce cries of the combatants of "Down with the unbelievers!"
"Strike for Christ and the Virgin!" and ever and anon was borne upon the breeze the triumphal shout of the vengetul Venetian - "No quarter to the flying Turk! Remem ber Famagusta!"

#### MARSHAL BAZAINE AND THE POLITI CAL CRISIS IN FRANCE.

Tah extraordinary position assumed by the French Government in bringing to trial Marshal Bazaine is well illustrated by the leading article of Broad Arrow of 1st Nov... the perousal of which will give our readers a far better idea of the value of the proceed. ings and the events on which it is based than the perousal of the evidence. It is as

We have before remarked that it is not Marshal B zoice alone but France that is on her trial at Versuies. This is made clearer every day by events, and it is curious to observe how the political crisis and the facts in question relative to the Capitulation of Metz illustrate each other. When hard pressed a few days ago by the Duc d'Aumale on the subject of his negotiations with the enemy, Bazaine said:—"My position was unprecedented, I was, in a certain sense. my own Government. The duties of a military chief are strict when the legal Government exists; but I by no means admit that to be the case in the presence of an insurrectionary Government, There was no Government then-there was nothing,"

This being his view of the situation caused by the events of September 4th, Bazaine negotiated for an armistic "in order to bring about the establishment of a regular Government." The question arises whether his view of the crises was either an unmilitary or an unpatriotic one. To answer this question fairly we must honestly place ourselves in the position of the Marshal at the period, knowing nothing of what was to transpire subsequently. Metz was a hotbed of political agitation, and even so late as the 15th of September, there were numbers within the walls who refused to give credence to the rumours of what had occurred, alleging that the statements of the Germans relative to the captivity the Emperor and the revolution in Paris were made for their own purposes. Bazaine kept silence army was at first overwhelmed by the magnitude of the disasters of which they were vaguely told; but very soon this feeling of dismay was succeeded by the furore of personal politics. The officers began to ask of each other, "Who or what are we?" "To whom do we owe allegiance?" Coffiniéres, the Commandant of the city, resolved the doubt by prelaiming that he recognized in the events of the 4th of September "a new manifestation of the national will." He affirmed that if the Empire had preserved its adherents it would certainly have exclaimed anew, that it was impossible to ignore the captivity of the Emperor and the flight of the Empress, and that he could not understand why the King of Prussia declined to treat with any authority

but the Regency, considering that in his first proclamation he had declared he was at war only with the Empire. This the reader is aware, was a deliberate falsehood, the declaration of the King of Prussia having been that he was at war only with soldiers. lie of course recommended itself to the rats who had fied from the sinking ship, and it was all of a piece with the ineffible mean ness of the argument that the Empire no longer existed because the Emperor was a captive, and the Empress Regent had been driven by brute force out of the capital in the absence of the regularly constituted forces. What a contrast with the condu t of Frenchmen high in office, when Francis 1. was taken prisoner at Pavia, and he wrote to the Queen Mother, "All is lost save honour!"

Marshal Bazuine's plea that the circum stances were unprecedented, and that he was obliged to be, as it were, a law unto himself, was rebutted in a singularly dramatic manner by the President of the Court, who exclaimed, "What! France, then, no longer existed!" The ineradicable vice of all Frenchmen could not have received a finer illustration. In point of fact, France did not exist, politically, at the moment when Rochefort, taken out of prison, was borne in triumph by an excited mob to the Hotel de Ville, and when a well known delegate boasted that "Paris once more gave the law to France." En passant, what a striking illustration also does such an incident afford of the difference between the conduct of a British and French court mur-

The problem suggested by this incident is a most important one for the future mili tary commanders of France. Bazaine and the entire force at his disposal were the sworn soldiers of the Empire, and by, conse. quence, of the Empress and the Council of Regency at Paris, when the Emperor went into captivity as a prisoner of war. The Empress, the officers of the Government, and the very Chamber, had been scattered by an armed mob, and a Government had been extemporised of such materials as Paris, in a state of revolutionary excitement, could throw to the surface-its title to respect was proved afterwards by the second siege of Paris and the Communal war. General Trochu had allowed himself to be proclaim d the chief of this revolutionary Government, that he might, if possible, prevent it from degenerating into mere anarchy. Thus the Govern ment of National Defence was constituted, not by France, but by Insurgent Paris and besides the enemy marching with rapid strides on the capital, it found itself confronted with the Social Republic in the streets.

In this state of confusion Buzune alone, at the head of 180,000 men, resolved that it ,was his duty to wait events, and preserve his army if possible, for the restoration of the social and political fabric which had been so rudely averthrown. On the other hand, Coffinières, the commandant of Metz, hastenell to proclaim the advent of a Republic which, in fact, did not exist, and the officers of that army which the Marshal held to its allegiance began to ask of each other what authority they were to obey. Who, then, were the traitors? If Baz ine was wrong in supposing that his Army would be needed for the restoration of order, was Churzy right when he actualy marched his army to restore order? If Bazaine was a sraitor because he declined will be stationed at Cologne.

to lend lithiself at a mo nents notice to the lesigns of the gentlemen at the Hotel do Ville, on what principle is MacMahon as the present moment to be acclaimed loval when he declares that he will resign his functions if the old Conservative majority of the chamber should be outvoted on the vital question of the future constitution of the Government?

It is in vain that we look for a guiding principle in these entinglements, and if in ther illustration be needed, we might refer to the incident of General Bellemare. MacMahon concludes his General Order issued to the army apropos of that circumstance by observing. As soldiers our duty is clearly laid down for us, and is indisputaole: under all circumstances we are to maintain order, and cause legal decisions o be respected." What are legal decisions in France? Marshal Bazine would not now be on trid for alleged treason against the nation, if his accusers did not hold that the Insurgent Government of the 4th of Septem ber was legal which government, however. had established itself by the authority of a mob, while the aimies of France were in the field holding the enemy at bay, or flying before their conquerors? What are legal recisions with when an Assembly convoked for one special purpose, and endowed with special functions, at this moment usurps the national sovereignty, assumes other functions which that sovereignty had expressly denied it, and rejects an appeal to the nation? Must not every high functionary be compelled to say with Marshal Bazing, that he is compelled to be, "in a a certain sense, his own government?" We call attention to the parallel between the crisis in 1870 as illustrated by the trial of Marshal Bazaine, and the monarchical crisis at the present moment, because no one can say how soon another French Marshal may be called upon to decide, at his peril, who and what is the legal authority he is bound

Mrs General Robert E. Lee died on Thurs dry morning November 6, at her home at Lexington, Va. She was the grand daughter of Colonel John Parke Custis, son of Washington's wife by her first husband. Her father. Mr. G. W. P. Custis, married and sattled as Assistant House, and hore Marketington House, and hore Mr. settled as Arlington House, and here Mrs. Lee, his only daughter, was born. When General Lee assured command of the Southern army, she went to Richmond and remained there until the contest was over, after which she accompanied her husband to Lexington, Va., where she continued to reside up to the time of her death. She had been an invalid for about ten years with a rheumatic affection. The funeral of Mrs. Lee took place November 8, in the Memorial Chapel in Lexington. Her three sons, W. H. F. Lee, Custis Lee, and Robert E. Lee, Jr., and her daughter, were present, besides a large concourse of friends her remains were deposited by the side of her husband's, in the memorial room. Mrs Lee was sixty seven years of age. Buisness was entirely suspended in Lexington, many places being draped in mourning, and the obsequies were very imposing.

River Monitors.-The two, non clad Rhine monitors which are being constructed at Brem n will be completed next spring. They are armed each with two 15 centimetre guns, and their armour is one inch in thickness, which is stated to be sufficient to protect them not only against infantry fire but also ganst field artiflery. They will draw only we feet of water, and by therefore and to operate as far as Mayence. They

#### RIFLE COMPETITION.

#### HASTING RIFLE NATCH.

An interesting rifle match took place at Hastings on Thursday last, which was, in ever, sense of the word a success. A good deal of interest was manifested in the match. there being a large number of entries, quite a few from Norwood being present; and wo doubt not, if there were more cash prizes, the attendance from the neighborhood would have been greater :- Captain Howard, of that village, certainly deserves praise for the pains and expense which he must have gone to, to ensure the success of the match, and he is, we trust, amply repaid in the good results attained. We were glad to notice that the Captain was materially assisted by the leading merchants of the village, Messrs. Peters, Learmonth, Kempt. Jones and the Fowlds Brothers working ac tively and taking the utmost interest in the proceedings; the ladies too, although the day was a little col !. turned out in numbers, encouraging the red-cate, and testifying to the popularity of the worthy Captain of No. 6 company of the 57th.

Below we give the names of the succesful competitors, with the prizes and score attached:

#### NO. 6 COMPANY MATCH.

1st, Lodies' prize, silver medal, Ensign M. Howard; points, 33344, 32233-29.

2nd. Cruet stand, A. Buchanan; points 22233, 32402-23.

3rd. Bohemian Goblet, Sergeant English; points. 30020, 43002-17.

4th, pipe, Capt Howard; points, 23020, 43002-16.

#### VOLUNTEER MAICH.

1st prize, Gun, Pt Richardson, 40th, points, 42244, 33144-34.

2nd, field giase, Pt Dingmin, 40th; points, 2332 \_8332--26.

3rd, Ludy's hat. Sergt, English, No. 6 57th; points, 32323, 22043-15.

4th, a woollen scarf. Pt Hawley, 40th; points, 43423, 04032-25.

#### ALL COVERS

1st prize, 2 suits underclothing and jacket, Pt Hawley, 40th; points, 23233, 34232-

2nd, set of Furs, Cipt Howard; points, 23432, 32333-27

3rd. Lady's shanl, W Minaker; pointe, 33432, 04233-27.

4th, 24 yards tweed, Pt Lawrence, 40th; joints. 4:223, 03334-26. points, 42223, 03334-

5th, pan Bohemun Vases, Sergt English;

points, 22430 33423—26. c 6th, Lvdy's cloud, Pt Dolman, 40th; points, 42223, 33304—26.

## CONSOLATION MATCH.

1st prize, poplin dress, Pt Steele, No 6 57th; points. 33333, 00203, 23323-33.

2nd, pair blankets, Pt Bush, No 6 57th; points 22222, 40302 22333-32. 3rd, Vest and tie, Ensign Howard; points,

33332, 30323 02230 - 31.

4th, paize, Lady's gloves. T. R. Learmonth; points, 30002, 32300, 33233,—27.

#### CHALLEGE MATCH.

Points. Porcy Volunteer company.........148

Norwood	do	147
Hustings	do	102
Civilians		97

Captain Howard desires us to return his sincere thanks to the merhants of Hasting. for assistance kindly rendered, and to Dr. Clarke for his voluntary attendance during the match, should his services be required in case of accident, but fortunately no accident occurred.

The band of the 57th was present in the afternoon, and enlivened the proceedings by playing some selections of muisic.-Nor wood Register Nov. 1 th

#### GORE OF DOWNIE SHOOTING MATCH.

The annual shooting match took place on the Fifth of November last. Sides were chosen, officered respectively by Captains Robert Boyd and John Tucker, the former leading his command to victory. After the day's fatigues, the sportsmen assembled at Mr. Richard Chowen's hotel, and enjoyed a good supper, winding up with a dance. The following is the score :-

#### CAPT. BOYD'S QUAD.

		Total
	Robert Boyd	13
	Wm Thom	17
	Wm Dunsmore	10
i	Jackson Morrow.	12
ļ	Wm Dunseith	15
	Thomas Baker	9
į	James Boyd, jr	li
	Thomas Douglass	10
	Robert Richardson	8
ı	Samuel Morrow	10
	Jhon Thom	15
ı		
ı	Total	130

#### CAPT. TUCKER'S SQUAD.

John Tucker	15
Wm Boyd	
Alex Thom	., 7
John Wilson	8
John Brown	13
Ira Boyd	13
Themas Dunseith	12
Wm Douglass	11
Thomas Mutton	
amuel Wilson	5
James Hannan	9

.119 Total. Stratford Hearld, Nov. 12.

#### DRUMBO VOLUNTEER SHOOTING MATCH.

The Annual Match of the Drumbo Light Infantry Company came off at the range, on Captain Ludlaw's farm, on Saturday last. Owing to the shortness of time in making arrangements, and the principal efficient officer residing at a distance, the competi tion was restricted to members of this Com pany. The day was highly unfavourable to good shooting, "a raw and gusty day," the wind, accompanied with showers, cocasion ally, of sleet, blowing fitfully across the uneven ground from West to East. Never theless, as will be seen by the scores, the mark-men of the Drumbo Company maintained their fair fame, won on former days, in spite of the most unfavourable circum stances of wind and weather. The distances were 200, 300, and 400 yards, 5 shots at each. the nature of the ground further back occupied by teams ploughing not permitting the extent of 600 yards as intented: The following is the aggregate

#### ECORE OF THE PRIZE WINNERS:

•	Totuls,
1. Corp. McLaughlan	. 48
2 Sergt. J. Cockburn	44
3. Ensign Fair	. 42
4. Corp. W. Cockburn	. 41
5. Lieut. Pattullo	. 41
6. Priv. L. Kennedy	. 37
7. Priv. R. Wilson	. 26
8. Sergt. Sharp	26
9. Sergt Fisher	. 24
10. Priv. Lewis	. 33
11. Priv. Jas. Brown	. 13

The Prizes to the amount of \$23,00 were. distributed in the above order, the highest, a beautifully cased silver vase (value \$6), presented by Lieutenant Pattullo, being awarded to Corporal McLaughlin, who earned it with a good score, considering the state of the weather. At the 300 yards he made five bulls eyes in succession, and others made nearly equally as good work, although the wind was blowing a stiff breeze all the day .- Paris Transscript, Nov. 14th.

A trial has been made of the Griffiths fourbladed screw in the Indian troopship Euphrates, but it may be doubted whether it can be considered satisfactory on overv point. There was less vibration than with the old two bladed screw of the same make, without the modified tip, and this will be an advantage. The construction of the blades has the effect of reducing the friction in the water, but more revolutions are required, apparently, to maintain the same speed, of 10,742; with the new one it took, on Monday, possibly owing to force of wind, 41.2 revolutions to reach a mean speed o' 10.600. Further experiments are evident ally necessary, the questions involved being of grave moment.

Marshal Biznine, before he enlisted as a private soldier, was rejected from the military school of St. Cyr. When he had become a Marshal, and was one day examining some cadets who were preparing to enter St. Cyr, he made a grimace at the weakness of their replies- Noticing that one of the youths was annoyed by Lis partial failure, Bazaine said: "Bah! den't torment yourself about that. They would have no hing to do about that. with meat St. Cyr, and yet here I am all the same."

In the Russian army, during the six years ended in 1871, the number of sick per thousand was, on the average, 591 a year, and the number of deaths 16 l 1 veur. The mortality among soldiers who are treated in the civil hospitals is considerally greater than when they are treated in the military hospitals, being as five to two. The prowho are permanently stitioned in the pruvinces is twice as great as among the sapamong the moveable infinity.

#### GUN COITON.

(From the New York Times.)

Early in the year, commissioners, representing both the Army and Navy Depart. ments at Washington, were sent to Europe to examine and report upon the various arsenals, dock yards, and munitions of war in England, France, Austria, and Germany. One of these officers his already returned, and the others are said to be on their way hom. There is reason to believe that the results of their inquiries will be of consider. able value, and the report is accordingly looked forward to with much interest. Some time, however, must elipse before it can be made public, and in the meanwhile we may anticipate it in some measure by palling attention to one result of a long ser ies of experiments by the British War Department, which promises to be of great importance to any further system of defence. especially in its application to torpedoes.

For some time after the proporties of what has since been known as gun cotton were made public, experiments were carried on in all directions to test its value as a substitute for gunpowder. The result was so unsatisfactory that those experiments ceas ed almost as suddenly as they had begun. It was only in the arsenals of two European mations that the idea that it might yet be activad w s at all persistent; and it is only in England that the subject has been unremittingly sudied down to the present time. Three committees have had it under special consideration, and the conclusion reached through their labous tend to give gun cotton in its present shape a very prom inent place among the explosive materials of war. The rapidity with which it burns destroys its usefulness for guns of any kind, but for other purposes it is found, under certain conditions of perparation to have advantages which gunpowder does not pos-sess. By means of the chronoscope intent ed by Captain Andrew Noble the rapidity with which an explosive wave flashes along a column of gun cotton has been shown to be 20,000 feet per second, while the expansive velocity of gunpowder does not exceed 7:000 f et per second This property which rend ders the cotton necless for moving projec tiles, is valuable in military engineering, and from experiments still in progress, and about which no report has consequently been made, it seems probable that it will be applied with extraordinary effect in the

torpedo.

To secret has been made of the method by which the best results are attained. The gun cotton is reduced to a pulp and then mixed with saltpetre in a fine state of division; after which, on being allowed to dry, it is either granulated or compressed into hard masses of any required form. found most convenient is a disk three inches in diameter and two in depth. These are stored in tanks in the wet state, and they are retained in that condition by the repeated addition of a week solution of salt petre. In this way the dangers of explosi ion are very much lessened, and transport is also facilitated. It was at first thought that such a method of storage wesid he inconvenient as involving much trouble in preparing the cetton for use but it has quite recently been found not only that well gun coston prepared in the way we have said can be explosed, but their its effects are apparently greater than when it is used in the day state. A bag-net filled with wetdisas and immersed in the water has been exploded with most destructive effects by means of one dry disc inclosed in a water | Count de Flehac.

proof envelope; so that even contact with water does not impede the explosion when once it is begun.

The application of saltpetre doss not increase the cost. The cherretical proportion in which it would be used is thirty-eight per cent. If a hundred pounds of the conton so prepared be exploded the result is not he great as it would be from the same weight of unprepared gun cotton; but by using only three-lourths of theoretical amount of the sult, the explosive force of the material is then found to be equal to that of pure gun cotton, and the dost is less.

As already stated, the experiments which have brought this matter into notice are still in progress. The final results cannot therefore be known. But enough information has leaked out to show that a discovery of great moment is being perfected, and while we are giving special attention to defensive appliances in naval matters, it is well worth the attention of engineers and others in the War Department.

No absolute statistics are before us, nor do we think that any have been yet prepared to show the relative powers of gun cotton and gunpowder in the purposes for which torpedoes are to be used; but in the absence of precise information, it is thought that for equal weights the destructive force of the cotton is at least seven times greater than that of powder. This must not be taken as exact. Perhaps it may turn out to be barely approximate. But at the least it indicates a difference quite sufficient to justify full inquiry. The torpedo experiments hitherto conducted by our government have had more to do with the form of the machine itself than with the explosive material to be used. This, however, may prove to be fully as important as the other, for if the prepared gun cotton present all the advantages now being attributed to it, a simplification of the mode of applying it is very possible, and thus many of the difficulties presented in the use of torpedoes will be solved, to the immense advantage of maritimo cities.

HAVANA, Nov 30. - The news of the settle ment of the Virginius question between Spain and the United States, and the terms upon which it is based, was received here with much excitement, but perfect order pervails among the people and volunteers. The chief authorities of the Island, assembled in conference, have sent a manifesto to. the Spanish Government, asking it to wait until it shall have received the protocol about the Virginius case, which shows the right of capture and justice of subsequent, proceedings. The mass of the people oppose. the surrender of the Virginius, or any vielding to pretensions which may dishonor the Spanish flag. The tone of the press is in accord with popular feeling. Extraordin-ary means and resources are being created ary means and resources are being created has been agreed upon between Secretary to resist any aggressive act, although think Fish and Admiral Port for the settlement of ing people do not expect it, knowing the prudence of the American Government.

A mournful feast was that which was pur-taken of in Paris, by an artist, numer M. Rubellis. This gentleman recently dined alone in one of the principal restaurants at a table on which had been placed givers for 13 persons. The explanation of the ceremoney is that he is the only survivor of a party of 13 literary men and artists who arranged 20 years ago that its surviving memners should dine once a year, and that the places of the dead should be conspicuously vacant. Among the members were Alfred de Musset, Tucophile Gautier and

John A. Dix. Governor of New Yak: Thurlow Weel, one of the oldest editors in the United States and Diniel Drew, the millionaire are all pensioners on the Govern ment, having been soldiers in 812. played's fife Dix carried the flag, and D w catried a musket.

The Princess Royal of England (Crown Princess of Prussia) will be present at the marriage of the Duke of Edinburgh with the Grand Duchess Marie as representative of the Queen. This is the imnet te cause of the journey of the Crown Prince and Princess to St. Peter burg.

Considerable excitement exists at present in the town of Marybornish Queen's county, from a rumour having gained circula tion that the recent Roman Catholic curate of that parish had eloped with a daughter of the County Inspector of Constabulary. The rumor turns out perfectly corret, for within the past few days their marriage was cele-berated by the district registrar, at also office, Aungier street, Dublin; immediately after which, the happy couple started for the "land of the West." The bride, who was a Protestant, is very plain, and has seen fully forty summers. The hridegroom is also plain, but much younger.—Derry Sentinel,
England annually puts 3,000 street hoys

under training for her navy. At 17 they commence a ten years' period of service, and at 27 they are free. There are 20,000 now in the service, and the experiment has succeeded so admirably that it is strongly urged that the system be extended, and 10.000 year be taken to train for soldiers,

engineers, and artillerymen.

The Ferian amnesty demonstration held on Blackheath, was attended by about five or six thousand people. A letter from Mr. Butt, M.P., was read in favour of the release of the forty Fenians, and resolutions were presed protesting against the "cruelty and injustice" of keeping these hien in prison, and pledging the demonstrators to oppose any condidate for Parilament who will not bind himself to vote for immediate and complete amnesty.

LONDON, Nov. 29.—Special despatches to the Times and Standard give the particulars of the bombardment of Carthagens on Wed. nesday The arsenal and barracks were the chief marks for the beseigers' artillery, but the cathedral and hospital were also struck. On Friday the theatre, the Protestant Church, and two entire streets where destroyed, and two hundred persons killed and wounded within the city. The insurgents have raised the black flag on the forts. At the last accounts the fire around the city was sub-siding. The loss of the beseigers has been exceedingly small. The officers of the foreign squadrons succeeded in obtaining an armistice of four hours on Friday night.

It is understood that the finale protocol the Virginius question to the terms of which are that the Virginius and all the surviving crew shall be manediately delivered up; that a salute to the United States flig shall be flevel on the 25th of Decemper synless it shall be shown before that data that the Virginius and no right to the protection of the United States flug; tout if this point be established, the owners of the Virginius shill be proceeded egainst, and that the question of reclaim's tion for damages is reserved for furproconsideration. ...

There are twenty five ships for the British navy new in course of construction in England.

## CONTENES OF No. 48, VOI., VII. Pagray. The Christian S mer ... Engrousan: -370 maropondence: -J. R. W...... 538 RIPLE COMPETITION :-Rifle Match for Scott's Medal SELECTIONS:-REVIEWS.... ..... 673



# The Columber Review.

#### WILLIARY AND NAVAL GAZETTE.

· Habribed, autorig't a par swords we draw. To guard the Mo tarch, tence the Law."

BUTAWA, TUESDAY, DEC. 9, 1873.

many is a second of the second Vo Correspondents .- Letters addressed to either the Editor or Publisher, as well as Communications intended for publication, must, invariably, be pre-paid. Correspondents will also bear in mind that one end o. the envelope should be left open, and at the corner the words "Printer's copy" written and a two or five cent stamp (ac cording to the weight of the communication) place I thereon will pay the postage

#### PUBLISHER'S NOTICE.

THE end of the present month closes Volume VII. of the Volunteer Review; and during the year we have made out and forwarded accounts to nearly all our Subscribers in arrears for Subscriptions to the Review. Some have promptly paid up their indebtednesswho will please accept our thanks-but by far the larger number have paid no attention to it-to those we give notice now, that if their accounts are not settled before the 1st of January next, we will be under the painful necessity of handing them over to a Lawyer for collection.

The following letter on the tactical formations of the torpedo lass been addressed to the United States Army and Navy Journal by Rear-Admiral DE ROBAN, R.N.

To the Editor of the Army and Navy Journal.

like to say a word.

While agreeing in the main with the conclusions arrived at in the namphlet mentioned, I, however, differ from them in thinking that "the employment of torpedoes in tactical formations is 'inadmissable'" be cause that I conceive the proper form and management of the torpedo is far from being astisfactorily decided upon; until that be done, it must be considered an open ques-

Torpedoes will not, I think, with what we as yet know of them, he capable of successful and precise management as self-acting weapons of naval warfare many but comparatively smooth and currentless water, and under such circumstances which will admit of their being under absolute control either from the shore or shipboard, chiefly because the object to be attacked would in most instances be moving, and from the fact of the irregularity of rates in its movements.

There must be a torpedo boat so built and of such form as to be itself difficult to be hit and not readily seen by an enemy. Take, say, the "cigar" form: build a bost which shall have at its forward end a gate or trap opening at its after end into a "torpedoroom; this room to be solidly bulkheaded from the main body of the boat by a watertight door; prepare the torpedo in the "room;" when ready open the bulkhead door and launch it into the "trap," which cone, close and secure the door, and at the proper moment open the gate of the trap for the egress of the torpedo, project it as desired, then close the gate, pump the water out of the trap, and proceed as be-

Is this practicable? I believe so, with the sort of boat suggested, built of solid material. of a deflective form and of such size and general handiness of movement as will make her difficult to hit; of course she must have great speed, as the greater the speed of the object the less liable to be hulled or cap tured.

In managuring she would be laid end on to an enemy, open her gate, discharge the torpedo point blank, and back autern at full speed till ready for another discharge; she might have a double keel to give her steadiness, with, perhaps, her screw between the two keels, out of harm's way from shot, somwhat on the plan of the French ram. Taurcan, designs for which I sent the Emperor Napoleon in 1862.

I consider some such plan the only feasible one for successfully employing torpedoes in naval warfare; a merely passive or even an automatic torpedo without a continuous controlling agency of the kind suggested above, will hardly ever be capable of being handled with sufficient certainty either to warrant its employment, as a rule, in or dinary naval attack and defence in open sea for without that continuous power of control a self-acting torpedo would be quite as likely, by any slight departure from, or defect in its intended working, to injure the ship from which launched as the ship of an enemy; toy machines of the kind sufficiently demonstrate this.

Very respectully,

WILLIAM DE ROBAN.

Washington, Oct. 21, 1873.

We have expressed our opinion of the little value which could attach to such a weapon in naval warfare and from the same journal we take the following article, which Sin—The Navy Department has recently journal we take the following article, which issued a pamphlet—"Notes on Moveable will go far to verify our assertions. To be Torpedoes"—in reference to which I should at all valuable as a weapon, it must possess all the velocity and a good deal of the pene-

trating force of a shell. It confessedly has neither. As long as the object of attack is at rest and will make no resistance, it will be treated like the hulk in the following : -

On the 13th ultimo an interesting series of experiments with torpedoes were made at Newport for the instruction of the officers of the Monongahela. After completing the experiments from the vessul and with the towing torpedo, a spar torpedo was exploded from the ship going at the rate of six knots against a huik anchored off Brenton's roof The following is an extract from the official

report: While running out again to the hulk, the towing of the spar in the water was observed, and its tendency to rise to the sur face, when going an knots was very evident even with the spar braced four points on the bow. An extra weight of one II inch stand of grape did not en irely overcome this tendency. This is in some measure due to tendency. the lead of the forward guy which led up to the bowsprit end. More exp riments are needed in order to overcome this difficulty, and I shall make my next experiment with the forward gov led through the hawsehole.

Practice was made with the spar in topping it out of water and letting it go " by the run." and I have recommended to the captain to carry sis spar topped up out of water a short time before using the torpedo.

All necessary trials having been made for the purpose of exhibiting the towing of the spar, the vessel was headed for the hulk. The hulk being at anchor head to wind, it was impossible to pass ahead of her without fouling her hawser. To have passed directly across her stern would have placed the Aonongahela to leeward, where she would have received a large quantity of the water and the debris which would have been created by the explosion of the torpedo. Accordingly a course was shaped to make the contact under her starboard quartor. All hands were ordered under cover and the vessel was carefully coursed to the desired position, when the torpedo was exploded.

The effort had been made to have an immersion of the torpedo of 10 feet, but from appearance of the topping lift, the immersion could not have been more than seven feet. The hulk was drawing in feet aft, there was then about one foot water cushioa between the torpedo and the bottom of the hulk. The effect of the explosion was to cut the bulk in two vertically above the point of The whole stern was lifted the explosion. out of water, a portion falling forward on her deck, the stern frame falling into the water. The sea was rough, and its action aiding the shock received by the rest of the hull, induced an instant disintegration of the whole fabric, which fell off frame by frame, until the whole was a mass of shapeless wreck drifting wildly on the water. The stern and breast hooks sank with the end of hawser. The kedge being buoyed, was recovered with all the hawser, except 15 fathoms, which was the depth of the water in which the wreck sunk. The effect of in which the wreck sunk. the explosion as respects the Monongahela was to wet her deck fore and aft and to throw on board two large pieces of timber and a large quantity of small pieces of wood. One piece of timber held five large spikes about one foot long; this piece landed on the forcastle. No large body of water was thrown up. It was evident that the line of least resistance was directly through the bottom of the hulk. Had any portion of the

halk remained awash it had been designed to run at it with a "louded Harvey torpedo, but the want of a target prevented this part of the programme from being carried out."

Our contemporary Broad Acrow in its its issue of the 18th October, has an article on the exercise of patronngo in the regular service, which exhibits a curious phase of Whig Radical urunagement and throws a floud of light on the cost of the non combatant branch of the army. Our readers will recollect that this utterly useless appendage cost the British people over £6,000,000 sterling, while the lighting or active force costs a little over £9,000 000; that Whig-Radical economy has robbed the soldier of a pension. and shortened his service, in order to provide patronage for their relatives, friends and dependants, and that the whole result of their policy has left England without an army; while the cost of what is called a military force has been increased by the whole cost of the non combatant class. gimental paymasters should always be combatant officers. It is not only injudicious.but actually the means of promoting demoraliza tion in the service, to put their duty on the the shoulders of company officers; and as CARDWELL'S Army Reform Bill has lowered the tone of the class who will in future seek commissions, if the responsibility is to be thrown on the shoulders of the company officers, defalcations will be the result; for the simple reason, that those men are already underpaid, and, while the temptation is within their reach, there is not behind family name or historic pride to ail as a The arrangements for counterbalance. paying troops should be entirely apart from their command, and the office should be filled by a combatant officer who had served. The following is the extraordinary article re ferred to:-

"It is understood to be the policy of the Government to increase the responsibility of combatant officers in respect to those duties which have hitherto been mainly discharged by regimental paymasters; and yet it is no less evident that there is another distinct policy quietly working its way, namely, the appointment of civilians, either from the War Depattment or from out the Service altogether, to the various new posts which are now perenially cropping up in the continual yearning for some new thing in administra-tion. Paymesterships and other adminis trative appointments were formerly thoustural refuge of deserving combatant officers when-they could no longer hold, with ad vantage to themselves, the commission of a lieutenant or captain; and this old policy of providing for the continued employment of good officers under the various charges of their career was sound, and should be de veloned rather than curtailed. It has been said that soldiers are no accountants, and it is true enough that some have sufficiently proved their incapacity in this respect. But it might have been equally said that soldiers were no mechanics, no mathematicians, no chemists, no geographers, no linguists; and

assumed that, as a combatant, he must es-sentially lack the capacity for that amount of simple arithmetic required for the construction of a pay list? By all mean let the Government require from each sub-lieuten ant proof that he can put two and two together. He will require to know something of arithmetic if he over become a general officer; and it will be as well even, before that period, that he should know the consequence of signing a bill bearing interest at 5 per cent. per mensem; but the natural result of this additional qualification should be that every single appointment to the Pay Department of the Army should be filled by transfer, from the combatant ranks, of those who, perhaps for domestic reasons, cannot continue satisfied with a single barrack room One of our or the third part of a bell tent. correspondents last week remarked (but we omnot confirm his statement) that "nine. tenths of the phymasters have been civilians ab initio." Such a state of things would have been a scandal to any Government professing to be guided by the requirements of the Service and justice to all ranks; but it is had enough as it is, and for the future there can be no excuse for considering the pay branch of the Service a subject of snug private patronage, unless the selection of the patron be restricted to those in the ranks of the Army who have been ready to shed their blood for their country, as well as their ink and who are unquestionably entitled to whitever post-may be available, of a more cas, and less dangerous character when their day is just for leading a fortorn

Tim United Sectes Army and Nacy Journal of the 1st Novem'er, has an article on the value of contests similar to that recently carried on at Cree Impor, especially as respects the selection of the best and most suitable weapon, in which occasion is taken to land the Remington rifle as being superior to the weapon used either by French, German or English armies. We are quite willing to believe that it is possible to invent or product a verpon of greater accuracy and more complicated adjustment than those in the honds of the soldiers of the nations named, but we must see better work done at Cree-Impor by the Remington Rifle before we are willing to accept our contemporary's valuation of it as a superior we mon.

The Snider Entield is not furnished with fine sporting sights, but it is able to beat the Remington in accuracy of fire, is a bet ter soldier's weapon, and is itself inferior to the Martini Henry, to the improvements in which the proprietors of the Remington land claims, if we are not mistaken. Military rifles, as a general rule, do not need fine sights, simply because their work will be done at from one hundred to fifty y rds. Sporting rifles, by which a partridge's head can be shot off, or a turkey's eye knocked out at 200 yards, require claborate sights; but no such machinery is required to fire against a line of men, or a gun detachment and its horses. We give our contempory's article in full as follows :-

"Not the least useful result of Creedif now an officer must not be wholly inno moor, by any means, will be the practical in a short paragraph asks eight very important questions, pean why is it to be lessons it has already taught in the important questions, beginning with—First, What

sant matter of small arm excellence and the improvement which will necessarily follow its practice, in the perfecting and sighting of our military as well as our sporting rifles. Up to the Wimbledon era the English Enfield was sighted with respectable correctness to a 400 yards range, but beyond that was issued to the soldier a theroughly unre liable piece so far as this now important feature was concerned The lault which a successful Rille-practice Association has corrected in the English armament, unfortunately still exists in the United States military rifle and the military Remington. We are assured that in future the Remingtons will be sighted as they ought to so, and we know that their present defect is due to a compliance with the demands of Ordnance Boards. Regarding "questions of arms" the Forest and Stream remarks as follows :-"The great use of the rifle range is that it must demonstrate whether an arm is good or not. Skill may have a good deal to do with the merit of a high score, but us the weapon used come into the hands of not only experts, but of second and third class shots, the use of Creedmoor or any other range must determine the average excellence of any gun. The Remington ville has been fully tested and has been found to be excellent, not only as a military but ne a sport ing rifle. In many of the matches as may be seen on examining the scores, the Remington has held its own with the most deheately adjusted arms. Rifles like the Higby and Motford have most carefully adjusted sights, were allowances all made for effects of wind blowing across the line of fire, &c. The use of all such adjustments are perfectly in order, and should be encouraged in every way. If a rifle as was remarked by Pilich in speaking of the complicated arrangements of the Wimbledon expert, 'had a steam engine at one end and a windmill at another,' so much the better, if in a range of a thousand yards, the marksman can improve his score a single figure. There is not then the least doubt that when the Remington rifles have adjusted to them these finer sights, that they will not only shoot quite as well, but possibly out shoot either the Higby or Metford. comparing it as a military arm with the arms used by either the English, French or German, we must declare it to be superior as to accuracy. Its penetration was also ro markable, shown by a shot passing through 3 feet of soud packed dirt, perforating a thick block of wood, and then falling spent with its shape still almost perfect. Sübsequent general matches yet to come may bring in prominence some other rifle, but for the present, for all work, we are inclined to think that with a steady hand, and clear sight, whether the maksman be a soldier or a sportsman, the I'o nington has clearly proved uself the best arm of to day. The Sharpe rifle, especially in the press match, showed its excellence, and is a worpen of great merit. In judging of all rifle contests, our readers not familiar with the subject sliguld always bear in mind thata windy day always affects the shooting. In concluding our re-marks on the first American rule contest. we believe that the time will come when Creedmoor will be far too small for the concourse of people who will assemble from all parts of the Union to witness this National [pastime."

A LIVELY correspondence of the Volus-THE REVIEW performs the functions of a note of interrogation in its issue of 25th Nov., and "is the use of a soldier that can't shoot?" 2nd. How should he be taught to shoot? 3rd. Why should not an officer have a

4th, How many Canadian Volunteers can judge distance?

5th. Is there my benefit in small bore shooting?

Oth. There are a good many Martini-Henry's in the country-why are they not more used by their owners?

7th. What is being done to improve title shooting in this country.

Sth What has the Dominion Rifle Asso ciation accomplished in this way? and winds up by assuming that our columns are devoted to matters of dress and drill instead of rifles, steel barrols, drawn bullets, targets, trajectory and lots of kindred subjects.

If "R" had attentively read the Volus TEER REVIEW it would be plain to his perception that more information, on the very subjects he so flippantly assumes we neglected, is to be found in its columns than in that of any military paper in existence; and in support of this assertion we could call in the testimony of some of the most distinguished officers of the British Army; but as our correspondent has wittingly or unwittingly opened a question of great importance to the the Canadian Army, we have no hesitation in answering his que ries put in the not very courteous phraseology of his communication.

1st. In the composition of an army the soldiers that can't shoot (which we take to mean a man that make bull's eyes or centres with every shot at 600 yards) is often more useful than the individual who can.

If an army can boast of 33 per cent of the whole force as marksmen, it is exceptionally strong with respect to shooters; and "R" must have paid no attention to the articles on the papers read at various times before the Royal United Service Institute, which have appeared in our columns, or the reports of the officers of the German Army

dealing with this very question.

The rank and file of an army comprises necessarily all grades of intellect, and as man is not born equal in any respect, notwithstanding the declaration of independence, it must follow that other qualities beside quickness of perception and steadiness of nerve will distinguish the mass of the items of which it is compared. Experience has taught the lesson that physical endurance is fully as great a requisite in the composition of the soldier as those qualities that make him a good shot, and if he can be brought to charge with the bayonet, and not be atraid of the consequences, he is like to do quite as much, if not more, to win a battle thru the crack marksman who can make nines teen points out of a possible twenty. Neither are battles won by the mere effect of correct shooting alone, but by the skill with which the mass of troops are thrown on decisive a positive nuisance. points of the enemy's position. After an'

action commences in carnest there is little opportunity and less need for a display of individual skill with the rifle, the smoke and constant changing of distance puts the best and most accomplished marksman out; and the very fact that only six per cent. of rifle bullets are effective, and that it takes as much lead to kill a man as he will weigh, is proof positive that in this respect at least the rifle has nothing to boast over the old mus. quet-Brownliess - and that its roal use is in the hands of the shiplers of an army to keep artillery at a disturce and make certain zones of fire dangerous, such zones lying between four and six hundred yards-sixtysix per cent, at least of any army would be more incapable of taking a more profitable position in a skirmish line-but thoroughly competent to charge a line, storm a battery, or capture artillery within their range as well as throw up held work and peform all the other duties under discipling which a The soldier that can't compaign dem mils. shoot is as quite as useful as the soldier that can, and his necessary complement.

2nd. The rules for teaching a soldier to shoot are to be found in the red book, and are too well known to men engaged in military service to need description.

3rd An officer's duty is not to be dis charged by using a rifle in action he com mands his men, and if he performs that duty well he will be fully employed. He is also accountable for their lives in action, and it will exercise the whole of his wits to enable him to properly complete the operation he is engaged in, without an unvecessary wasto of life. The present company of 55 officers and men is quit large enough for three officers to look after. The duty of the captain is to command the whole, of the lieutenant to see that his orders are carried out, and of the ensign with the supernumaries to attend to the supply of ammunition, the removal and care of the wounded. If those duties are discharged properly no officer will have time to play the fool with a rifle.

4th. The answer to this querry is that such a question in statistics is not known; but as Canadian Volunteers are presumed to have brains as well as others, about the same number can judge distance as those who are marksmen.

5th. To our mind there is no bouelit whatever to be derived from the practice of "Small bore shooting," and we have con demned it in every case as a mistake, a delusion, a mockery, and a snaro in military practice, If our correspondent had read the Review attentively, he would find how easily the celebrated Tyrolean marksmen in the Austrian service were disposed of by the French rank and file armed with a very inferior weapon at the battle of Solferino. The only weapon permitted at a rifle match, to the State service. Our Government is should be the Regulation Rifle, any other is

6th. Our correspondent had better ask the or battery in our streets on parade will be

owners of the Martint-Henry rifles for a reply to this question. If it is meant as an intendo against the wanpon, it only shows a want of knowledge of its value.

7th. Our correspondent should make his meaning clear. We will answer this interogatory by another question, Can rifle shooting be improved? So far as practice goes there is no evidence to show that the query need be put-all the machinery for the purpose is in practice-and the "General Orders" of the Canadim Army furnish a proper detail of every part,

8th. For answer to this query we must refer our correspondent to the report of the "Dominion Rifle Association," of which we dare say our gallant friend the Secretary Lieut Colonel Strang, Assistant Adjt. Gono. ral of Militia Dopartment Ottawa, would not object to give him a copy, if he applies for it in the proper way.

As to the old podrida with which our correspondent closes his letter, we have neither time nor inclination to enter into such a discussion, desiring that matters of dress and drill, especially the latter, are of more importance to the rank and file than questions affecting the armourer and scientilic officers of the service.

Our readers will be instructed in the following, which we republish from the United States Army and Navy Journal of 15th November.

"New York State has purchased eight Gatling guns, to be distributed among the troops of the First and Second divisions. At this time we cannot state how these guns are to be disposed of-whether they will be attached to the different infantry commands or take the place of the mounted batteries. The present condition of the howitzer batteries of the First division is rather low, and the inspector-General may recommend their disbandment; still we do not think this policy advisable, for in the National Guard howitzer batteries are less expensive to the State, and their uti 'v over the mounted batteries, as at present organized, is plain to any one who understands the uses of a NationalGuard in large cities. There is a disposition on the part of the few of the infantry commands of the First division to organize howitzer batteries, and the Seventh has already an efficient howizer section attached to the regiment, the men being detailed for this duty. On the occasion of the Seventh's encampment ut. Saratoga the hownzer section was very popular, and won deserving praise for the excellence of its duty List season this section devoted considerable time to drill, and gave several informal exhibitions at the armory, and the men seemed to "take" remarkably to the change from the monotonous infantry drill. The Ninth is now organizing a howitzer rick Ninth is now organizing a howizer section, and manifest interest is taken in the "new development."

"The introduction of the Gatling in the National Guard shows that New York is

progressive, and the organization of Gatling batteries will be anew and welcome feature now having these guns thoroughly tested, and with the most striking and satisfactory results. The appearance of a Gatling gun

novel to many, and as the utility of these guns—well, we trust neither New York city, Brooklyn, nor any other cities, will ever have cause to try them. It would be a siekly time for any street mob which should get in front of one of them. Other States follow the lead of New York in procuring these guns.

The National Guard is simply the State Militia, our neighbours are fond of extraordinary names, but with that we have nothing to do; our reason for publishing the extract is to see whether any of our readers would give us an article on the plan the Gatting should occupy in the economy of a National Army.

Wallirest attention to the Prospectus for 1874 of the Aldine-an illustrated Monthly Journal-and in the language of the Prespectus, universally admitted to be the handsomest Periodical in the world. illustrations have a world-wide celebrity, and its wood-cuts are of the highest perfection attainable. Every subscriber to the Aldine for 1874 will be presented with two beautiful chromos, entitled "The Eist" and "The West" -the first is a view in the White Mountains, New Hampshire; the other the Cliffs of Green River, Wyoming Territory, Either of these are worth more than the year's subscription (\$5.00) to the Aldine. No handsomer or more appreciable gift could be presented to a friend for a Christ mas or New Yours present than a bound volume of the Aldine.

### REVIEWS.

We have to acknowledge the recent of No. LXXIV. Vol. XVII. of the "Journal of the Royal United Service Institution. It contains the following papers. "Report of a Reconnaisance of the North West Provinces and Indian Territories of the Dommion of Canada, and Narrative of a Journey across the continent through Canadian Territory to British Columbia and Vancouver Island; communicated by Col. Robertson Ross, Commanding the Militia of Canada and Adjutant General of Militia in 1872.

"Observations on the Monorieff System of mounting Ordnance by Lieutenant T. English, R. E.

"Further observations on the Monorieff System of mounting Ordnance, by Major Monorieff, F.R.S.

The Tactics of the Sheer Arms as modified, to meet the requirements of the present day, by Captain H. Brackenburg, R.A.

"Rifling for heavy guns, by Capt. J. P. Morgan, R. A.

"Un the best mode of defence of the protected territories on the Gold Coast of Africa, &c., by the Eafl of Landerdale, G.C.B.

"Field Raitways and their general application in war, by Captain C. E. Luard, P. E.

"An Improved Life Buoys, &c., by Mark Hamilton, B.A., M.D., Surgeon, R.N.

"Griffith's Bow and Stern Screw Steam Ship, by & Griffiths, Esq.

"Proposed method of attack in skirm ishing line, by Capt. F. G. S. Parker, 51th Regiment.

"Note on alleging the sights of Ordnance when laying for an object, by Lieutenant II. II. Greenfell.

This number of the Journal contains many excellent papers—that on the Reconnaisance of the North West with its admirably got up Map by our late Adjutant General is well known to our readers and deservedly occupies the first pages of the number—we have already reviewed it, but the other articles are of considerable importance and deserves extended notices which shall be duly given, especially those on Tactics and Rilling.

## DIMINION OF CANADA.



MILLETA GENERAL ORDERS.

HEAD QUARTERS.

otta va, 5th December, 1873.

General Orders (28). No. 1.

ACTIVE MILITIA.

MILITIA STAFF.

## WILLERY.

The resignation of Lieutenant Colonel George Arthur French as inspector of Artillery and Warlike Stores for the Dominion, and as having Regimental commund of the Artillery in the Province of Ontain, is herely accepted.

#### PROVINCE OF ONTARIO.

## ARTILLERY.

Officers having command of Corps of Artillery in the Province of Ontario, will, untill further orders, forward all communications direct to the Brigade Major of Division.

"A" Battery of Artillery and School of Gun nery, Kingston.

To be Commandant, until further orders.

Assistant Gunnery Instructor Major De
la Cherois T. Irwin, vice Lieutenant
Colonel French, whose resignation as
Commandant of the School of Gunnery.

Is hereby accepted.

lst Buttalion, Governor General's Fort

To be Lieutenant:

Ensign Frederick William Mills, M. S., vice John Stoughton Dennis, whose resignation is hereby accepted.

o be Ensign, provisionally :

Frank A. Floming, Gentleman, vice Mills, promoted.

The resignation of Lieuten int and Adjutuit John Rhodes, is hereby accepted.

2nd Battalion or "Queen's Own Rigles,"
Toronto.

To be Captain:

Lieutenant James Reid Foster, M.S., vice John Erskine, who is herby permitted to retire retaining his rank.

7th Bettalion, "The London Light Infantry."

To be Assistant Surgeon.

James Simpson Niven, Esquire, vice Henry Arnott, whose resignation is hereby accepted.

44th " Welland" Battellow of Infantry.

Major Thomas Macklem is hereby permitted to retire retaining his rank.

CONFIRMATION OF RANK.

Supernumerary 2nd Lieutenant James Wilson, tempororily attached to the Kingston Field Buttery of Artillery is hereby confirmed in his rank as a second Lieutenant of Artillery, from 15th June, 1873.

#### PROVINCE OF QUEBEC.

63rd "Missisquoi" Battalion of Infantry. No. 2 Company, Clarenceville.

To be Ensign, provisionally:

Sergeant Danial Ityan, vice William G. Hawley, left limits.

## PROVINCE OF NOVA SCOTIA.

63rd Haltfux Battalion of Rifles. Major and Brevet Lieutenant Colonel George R. Anderson, is hereby permitted to retire retaining the rank of Major.

By Common tof His Excellency the Governor General. .
WALKER POWELL, Lieut.Col.

Acting Adjt. General of Militia.
Conada.

One hundred and ninety more miles of the Northern Pacific road have been examined and accepted by the Government Commissioners. This makes in all four hundred miles which have been accepted, and on which patents for land grants will be issued:

The Eric road loses \$200,000 per year from employes and others who steal from the freight cars,

One eighth of the people of England are members of friendly societies, such as Odd Fellows, Foresters, etc.

#### TRUE RICHES.

Pam a poor working man, yet a stranger to care, As I sit like a king in my own cosy chair, For my mind is my wealth that my Maker as-signed:

And the Joys that I reap from the storchouse of bliss—

Few potentates know of a rapture like this.

Contented and happy—to low for a fall— I strive to "ve friendly with one and with ail; I reck not of rank, for my mind can supply Knough for my mind, for my brain, for my eye, The books that I read, and the thoughts that they

give. Afford no the wealth that I labor to have.

Though obscure and unknown mong the ranks

Though obscure and thickness a more of the great.

Though my vote be unsought and my wordshave noweight.

Though the waters be rough over whack I must

cross, And the winds may assail, and the wild waves

may toss— Yet, the flercer the blast, the somer 'tis act, And the sweeter the rest that awalts mean the

I eavy no treasure, I covet no sway;
My wants are supplied as I need them each day;
And my life can create and into life bring
Gems costly and rare, as belong to a king.
So poor man that I am, no frown do I fear,
For my mind is well stored, and my conscience
is clear.

When the shades of the evening of life cose

When in Hope's morning star no sweet promise is found!
When the scenes from without lose their power

to instil

The food to sustain, the soul's cravings to fill— 'Tis then from within that I get my supply of strength for the day and of light for the eye.

I sit close by the fire in my own easy chair, And I puff my clay pipe with a mind free from

care. Contented to take what my father will send. lie it knave as a foe, or a leal man us a friend, So, while health waves her wand, I expect that I'll find

The wealth that's exhaustless-contentment of mind.

#### TRIAL OF MARSHAL BAZAINE.

(Continued from page 576.)

FOURTEENTH DAY, OCTOBER 22ND.

On the court resuming its sitting this morning, General Soleille was the first witness called. He did not appear on ac-count of ill health, and his written evidence relative to the military operations was read in court. The Chief of General Soleille's staff deposed that the consumption of ammu nition up to the loth August was estimated at about one third of the total supply; whereupon the Government prosecutor remarked that the figures relative to the supply of ammunition furnished by General Soleille were much below those contained in the report. In reply to a farther question the chief of the staff said General Soleille's opinion was that the proportion of the ammunition up till the 16th had been from one third to one-half, in consequence of this Marshal Bazaine was afraid lest the ammunition should fail.

General Lebrun, in repley to questions with regard to the advance of the troops and the erection of bridges, declared that several orders were given to consult the staff subject, and the contradictions on and necessarily aroso in confusion the instructions given. A long discussion ensued upon the exact date when Marshal Bazzine assumed the chief command of the

army of the Ilhine.

Marshal Bazaine, in order to constralict Gen. Jarras's evidence to the effect that the marshal had not issued orders on the 13th. demanded that the order of much signed by him on that day should be read. The marshal also observed that he gave general ting was concluded at 2.45 pm., when the court adjourned till Friday (yesterday).

(From Broad Arrow, Nov. 1.)

FIFTHENTH DAY-OUT. 24TH: EXAMINATION OF WITNESSES CONTINUED.

The court resumed on Friday, as arranged when the question put to the witnesses, who were civil and military engineers and station masters, turned chiefly upon what was or ought to have been done about the Moselle

bridges. M. Scale, the inspector of the railway at Metz, deposed that on the 22nd of August Marshal Bazine might easily have captured by a coup de main numerous pieces of siege artillery, and a large quantity of provisions which had been stored by the Germans in the vicinity of Meta, but that the marshal, believing that he would shoully be attacked by the Germans, declined to avail himself of that opportunity. The same witness added that it would have been easy to seize at Courcelles 1500 wagons of provisions stored by the enemy, as well as a large quantity of flour, forage, and grain in the adjoining vill ages. He stated that the marshal was reported to have said that such a movement would be useless Marshal Bazaino here remarked that the army was not ready to take the field, adding that information furnished by the witness had not been confirmed from any other source.

General Coffinieres, the commander of the Engineering Department of the Army of the Rhine, recalled, stated that he did not in-form the marshal of the state of the bridges or of the existence of the seven different paths for crossing the river. The Government commissioner mentioned that General Coffiniere consented on the 15th of August to grant an armistice of two hours to bury the dead, and that armistice, by being prolonged, was only beneficil to the enemy. Marshal Bazzine was not on the spot at the

time.

Quartermaster-General Wolff deposed that Marshal Bazaine sent him at first to Verdun to collect provisions, and that he returned afterwards to Montmedy to get fresh supplies in view of emergencies.

Colonel Villenoisy (Engineers) deposed that he went to General Jarras to impress upon him the fact that the choice of the Gravelotto Road alone would cause great obstructions, and he suggested the Saulny Road as a second route; but he was soon convinced that General Jarras as well as himself was utterly powerless against the obstinate decisions taken in higher quarters.

Quartermaster General Prevul, in Lie evidence, stated that on receiving an order from the marshal to disbaud the auxiliary cunvoy, he thought the matter of such importance that he asked to have the order in writing.

SIXTHERTH DAY-OCT, 25m-EVENTS OF AUGUST ISTH.

Colonel Lewall, of the Staff, deposed that he was sent by Marshal Bazaine on the 18th on a reconnaissance in the neighbourhood of Metz, and that the positions occupied by the troops indicated that it had been decided to withdraw on the Briey Road.

Captaing Yung, who was the next witness stated that on the 18th of August Marshal Bizzine, on seeing the troops abandoning their position, exclaimed, "What can be done with such soldiers?" This witness was followed by Captain Chalas, who stated that . instructions for the advance of the troops, he had been sent by Marshal Canrobert to 5th of Aug. he was informed that the corps and that it rested with the commanding officers to choose thebest roads. The situnents and ammunition; that the marshal Brzaine; consequently, on the 6th, as soon

told him he would send a division of the Guard to the assistance of Marshal Canrobert but Marshal Bazaine having received word form a general that everything was going on well with the 6th Army Corps, the Com-mander in chief abandoned his first intention.

Commander Beaument deposed that Marshal Bazaine on the 18th of August, about four p.m., gave him an order requiring Gen. Bourbaki to return to Metz, but that he (Commander Beaumont), in order that no misunderstanding might arise, asked the marshal to repeat his order. On the other hand, Captain Mornay (Marshal Bazaine's aide de camp) swore that the marshal instructed General Bourbaki to hold his ground. Commander Beaumont, nevertheless, maintained his assertion.

Captain Lacaze (General Bourbaki's aide de camp), was the next witness called He deposed that on meeting the defendant at about four p.m., he heard from him that General Bourbaki was about to return to

Metz

.Captain Latour Cupin, of General Ladmirault's staff, deposed that in the alternoon of the 18th of August General Bourbaki gave orders to his troops to proceed to support the 4th Army Corps. The court then adjourned to Monday.

SEVENTEENTH DAY-OCT. 27TH: INCIDENTS OF AUGUST GTH-BATTLE OF FORBEACH.

When the Council resumed to day, M. Lachaud, the Marshal's counsel, expressed his intention of cross-examining the witnesses with regard to the brittle of Forbach. The Government prosecutor then stated that he only intended to bring forward evidence in support of the indictment against the marshai for his conduct after the 12th of August. The president, however, decided that the witnesses should be examined, as requested by the defendant's counsel.

General Montaudan deposed that on the day of the battle of Forbach he was at Sarregueniues at six a.m., he was only able to arrive at an intermediary point by 7.30

p. m.

General Castagny deposed that at five p. m., on the 5th, Marshil Bizune told him to place himself at the disposal of the commanders of the first line of battle, among whom was General Frossard. He narrated that during the day of the 6th he heard guns firing, and at first thought it was thunder. He subsequently believed it his duty to hold himself in readiness for a battle which he considered probable on the morrow, but as the firing continued he commenand marching and arrived in the evening on the heights of Forbach. He added that on the 6th he received no advance or orders from General Frossard.

General Metmann said Marshal Bazaino ordered him on the 5th to place himselfat the orders of General Frossand, At 7.30 he received a request from General Frossard to go to his assistance. He arrived at For-

bach at nine p. m.

From these depositions it is made clear that on the 5th of August Marshal Basine ordered his genera's of divisions to support Frossard in case of need, and is not responsible for these orders not having been carried

Captain Locmaria moreover deposed that he wat sent to Generals Metmann and Castagny to tell them to reinforce General Frossard on the 6th of August.

Gen. Frossard himself deposed that on the

as he was attacked, he sent a despatch to He insisted upon the fact that he urgently the marshal informing him of the fact, and continued sending him messages during the day, Marshal Brzaino gave distinct orders that he should be reinforced, but these instructions were not obeyed by the generals of division. Other witnesses gave evidence respecting various details of the military operations, but nothing of importance oc summoned, but that gentlemm did not apbut he is reported to have taken refuge in England.

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EIGHTRENTH DAY .- OCT. 25TH: COMMUNICATIONS WITH CHALONS.

On Tuesday witnesses were examined with regard to the different communitions which passed between the Army of the Rhine and the Army at Chalons.

M. Vasselias, the director of the telegraph at Metz, deposed that the lines were broken on the evening of the 18th of August, and a cable in the canal as far as Thionville, but his demand was not granted.

M Braidy, a forest ranger, was called, and stated that he started on the 20 of Aug. with a despatch from Marshal Bazaine, and arrived on the 22nd at Verdun,

M. Scalabrino deposed that he was at Metz from the 18th until the 22nd of August and repeatedly offered his services, without avail, for carring despatches. Ho, therefore, returned to Verdun on the 22nd, and on the 23rd he was entrusted with a despatch to called, and his entranco caused considerable Metz from Marshal MacM then, but was un- excitement, he being the witness who pass able to pass through the German lines. He

some witnesses were examined, but nothing important was elicted.

Commissary Gueral Uhrich deposed that up to the 22nd of August Marshal NacMaiion did not intend going to Paris; he was not made aware of the Marshal's new intention of going to liheims until the evening of the 22nd. Other witnesses gave evidence to the effect that they were sent to Metz by Commandant Magnan after the 22nd, but were unable to enter the town.

M. Renou stated that he succeeded in getting into Metz on the evening of the 20th. The court then abjourned.

NINETEENTH DAY,—OCT. 29TH: MISSION OF LIEUT-COLONEL MAGNAN.

On the resumption of the sitting of the court to-day, several witnesses were examined who had been entrusted with despatches on the 19th of August and subsequently, but none of them succeeded in entering Metz after the 20th.

MM. Scalabrino, Fissabre, and anoth? forest-ranger were recalled, and the President congratulated them upon their conduct and the devotion and manly courage shown by them-conduct which, he said, was all the more to be admired as they had not made any parade of it.

Lieutenant Colonel Magnan give an account of his mission to the Emperor on the 18th of August. He expressed himself warmly, but with moderation, and not without eloquence, and challenged the accuracy At the last meeting of the statements made in the report of Society, held in Montreal Nov. 24th, the of the statements made in the report of President Principal Dawson, read the fol

desired and male every effort to re-enter Metz immediately, and he explained that he retired towards Charleville in consequence of the uncertainty of the position and the absence of information. He relied upon being able to start again on following day with the convey entrusted to his care; but at the same time he said he was willing to curred. At the opening of the sitting the assume entire responsibility for the steps he president, the Ducd'Aum de, had M.Regnier had taken, and with regard to which he com pletely exonerated Marshal Bazaine. He pear. It is said that it is intended to arrest added that he went, in company with Genhim for writing a letter of an insulting ral Dejean, to Carignan, whence he hoped character to the president of the court to be able to send emissaries forward more easily-an object which he throughout energetically sought to attain. He concluded by declaring that he had carned his epaulettes with the Army of the Loire, and would not permit them to be tarnished. The president, amid much excitement, replied that his evidence was his best justification. The Government commissary, however, insisted upon the views put forward by the prosecution, and said that after Lieutenant-Colonel Magnan's departure from Thionville the roads to Metz were still open. The wit that he requested General Coffinieres to lay ness replied that theroads were not entirely open but were intercepted by the enemy's scouts. For him, entrusted as he was with a convoy, the Uhlans were to be considered as the vanguard of a hostile army. He, moreover, stated that he several times at-tempted to get through alone, and was once stopped by two of the enemy's cav-

After some other witnesses had been examined with regard to the efforts to open communication with Metz. M. Flahaut was ed through the German lines more frequentconsequently returned to Verdun on the ly than any other. On his second journey, following day.

M. Guillemin, another forest ranger, and Thionville after having swallowed his des patch in an india rubber tube. He reached Metz the same evening, and was presented to Marshal Bazzine. He took the despatch the following morning to headquarters, where they, however, refused to accept it, and the despatch was burnt without being read. The Duc d'Aumale praised the witness for his condut.

Some excitement was also caused by the evidence of Lieutenant Nogues and M. Serot, Imperial Procurator. Lieutenant Nogues was entrusted with a mission to Metzon the 23rd of August, but was not able to enter On his return he was arrested by M. Serot. He now alleged that he only had one letter from the Empress to Marshal Burnine, but M. Serot proved that he was entrusted also with a letter to General Bourbaki. This admitted point led to a very warm dis cusssion, and Lieutenant Nogues ultimately that he had the note addressed to General Bourbaki.

It is said that the Duc d'Aumalo devotes every morning to the study and co-ordination of the documents and questions to be asked of the witnesses who are to appear during the day, so that he may be able to direct the examination and prevent it from wandering into useless details.

(To be continued.)

GIMANTIC CUTTLE-FISHES IN NEW-FOUNDLAND.

At the last meeting of the Natural History

tion to many ancient accounts, some of them evidently exaggerated. Frof. Steen-strup, Dr. Morch and Prof. Alman had recorded the appearance of similar gigantic cuttle-fishes on the Coasts of Denmark and Scotland. Steenstrup has described two species under the names of Architew—this monachus, and A. dux, and it seems not improbable that the specimens spoken of by Mr. Harvey may be referred to one of these. One of the Danish specimens is stated to have had the arms 18 feet long, and the body 21 feet, so that it may have been as large as the Newfoundland specimens. Dr. Packard has directed attention to these monsters in the Frebruary number of the "American Naturalist" and has des-cribed a specimen found by a cribed Glouster fisherman on the Grand Bank of Newfoundland. Mr. Harvey's communication gives us the clearest evidence of the occurrence of these creatures on the shores of Newfoundland.

His letters runs as follows : -

"St. Jone', Neld., Nov. 12, 1873.

'My Dear Doctor,

"I take the liberty of bringing under your notice some account of a gigantic cuttle-fish which was seen a few days ago in Conception Bay. The circumstances under which it was seen were as follows:—Two fisherman were out in a small punt, on Oct. 26th, off Portu gal Cove, Conception Bay, about 9 miles from St. John's Observing some object floating on the water at a short distance, they rewed towards it, supposing it to be a large sail or the debris of a wreck. On reaching it, one of the men struck it with his "gaff," when immediately it showed signs of life, reared a parrot like beak, which they declare was "as big as a six gallon keg' with which it struck the bottom of the boat violently. It then shot out from about its head two huge livid arms and began to twine them around the bost. One of the men seized a small axe and severed both arms as the lay over the gunwale of the boat; whereupon the fish moved off and ejected an immense quantity of inky fluid, which darkened the water for two or three hundred yards. The men saw it for a short time afterwards, and observed its tail in the air, which they declare was ten feet across. They estimate the body to have been sixty feet in length, five feet in diameter, of the same shape and colour as the common squid; and they observed that it moved in the same way as the squid, both backwards and forwards.

One of the arms which they brought ashore was unfortunately destroyed, as they were ignorant of its importance; but the clergyman of the village assures me it was ten inches in diameter and six feet in longth. The other arm was brough to St. John's, but not before six feet of it were destroyed. Fortunately I heard of it, and took measures to have it preserved. M. Murray, of the Geological Survey, nd I. afterwards exam. ined it carefully, had it photographed, and immersed in alcohol; it is now in our Museum. It measured ninteen feet, is of a pale pink color, entirely cartilaginous, tough and piliant as lether, and very strong. It is but three inches and ah dfin circumference, except towards the extremity where it broadens like an oar to six inches in circumference, and then tapers to a pretty fine point. The under surface of the extremity covered with suckers to the very point. of the statements made in the report of General Bivière, adding that Marshal Mac. President, Principal Dawson, read the fol Mahon himself would not contradict him in his assertions with regard to his mission, the objects of which he had already indicated. He was a stated that, in additionally account of the president of the pre seventy. Then come two rows of very large suckers, the moveable disk of each an inch and a quarter in dismeter, the cartileginous ring not being denticulated. These are twenty four in number. After these there is another group of suckers, with denticulated edges (similar to the first), and about fifty in number. Along the under surface about forty more small suckers are distributed at intervals, making in all about 180 suckers on the arm.

The menestimate that they left about ten feet of the arm attached to the body of the fish, so that its original length must have

been thirty-five feet.

A clergyman hero assures me that when he resided at Lamaline, on the Southern Coast, in the winter of 1870, the bodies of two cuttles were east ashere, measuring 40 and 45 feet respectively.

More than once we have had accounts of gigantic cuttles cast ashore in different locatilities; but not until now have any portions

of them been preserved.

By this mail I send you a photograph of the arm, it is one fourth the original in size. You will readily see the suckers at the extramity of the arm. The disks of several of the larger ones have been torn off by carelessness on the part of the captors. A few of them, however, are perfect, and the smal ler ones are not injured. I shall send you also, by this mail, three or four of these suckers which I cut off, the smallest being from the very tip of the extremity and not much larger than a pin's head.

I shall be glad to hear your opinion of this

fish at your earliest convenience.

It is a great pity one arm was destroyed, and it is still more to be regetted that we did not get the head of the monster.

Yours very sincerely, M. HARVEY.

The photograph and specimens of the suckers of the creature, both forwarded by Mr. Harvey, were exhibited at the meeting. The Kraken, of Scandinavian superstition, is an exaggerated representation of one of these colossal cuttles. It existence was gravely alleged by Pontopiddan as the cause of the occasional disappearance of islands. Denys de Montfort, who evidently disbelieved in their existence, having represented a "kraken octopod" in the act of scuttling a three master (by way of caricature), told Mr. Defrance that if this were "swallowed." he would, in his next edition, represent the monster ombracing the Straits of Gibralter, or espaizing a whole-quadon of ships. Truth is however, at all times, stranger than fiction, as any one may see, in the present instance, who takes the trouble to compare Victor llugo's fanciful and inaccurate description of the "devil fish," in Les Travailleurs de Mer, with the careful notes on a number of the same group of animals, as given above by Mr. Harvey. The cuttle-fishes are by far the most highly organized members of the great division Mollusca. By many writers they are considered as forming almost a link. and inverse it were, between the vertebrate and invertebrate animals. The glassy internal pen of the squid, and the calcareous internal "bone" of the true cuttles, are held to foreshadow the spinal column of the higher animals. The eyes of the cuttles are large, brilliant, and more complicated in their structure than are those of some fishes. The late Mrs. Barret Browning, probably unconscious of this circumstance, how ever, commences a short poem, entitled Loid Walter's Wife, with the following couplet:

"But why do von go? said the lady, while both satunder the yew;
And her epasiere alice in their depth, or the Irolan beneath the rea biar."

J.F.W.

TACTICAL KNOWLEDGE OF THE NAVY.

Writing of the new "Naval War Game," devised in imitation of the Krieg Spiel Frazer's Magazine points out that the un usual adoption of steam as the motive power has revolutionized the tactics of battle, and so little has been done towards the establishment of new principles, that we are much in the same position as before Clerk of Eldie's twenty years of "mappery, closet wars." So long as the wind was the governing element, manauvring generally ended when the battle began. The fight was waged with the ships in a quiescent state, but now, according to one of Commander Cyprian Bridge's excellent maxims whilst within fighting distance, the shins must "not remain still." So that we have not only to determine what is the best tactical formation in which to approach the fee, but what are the tactical manouvres which might naturally be expected to grow out of an onset made in a given intitial formation. Even as to the smaller question of the prelimina y formation, much divergence of opin ion and no experience whatever crist in the British service.

The very terminology of navay tactics is unsettled. No fixed meaning attaches to the commonest terms. Seamen cannot de-fine what is "a fleet," "a squaidon," "a division;" what is the meaning of "atrategy," "tactics," "manœuvres," "evolutions," etc. Whilst two or three terms are sometimes employed to express the same " for marion," and nobody knows whether a "formation" is or is not the same as an "order," our latest system of grouping ships in "threes" or "fours" receiving a French name betraying alike its origin and contin ued forwardness of France in this subject. There are at least forty three distantifect evolutions, differing in character, and which requires diagrams in the general signal book for their explanation, besides collateral movements. Let no means are adopted to tamiliarize young officers with all this nomenclature and war ite training A naval college has been opened at Greenwich with much colat, in which no place is found for the art of naval war. A professorship of field fortification has undeed been provided at that istitution, but maral tactics, naval history, nav I artiflere, and other branches of the science of naval war lines no place in our so called naval college. No wonder that when the committee on designs of ships of war questioned twenty five distinguished officers as to the manner in which they would take a fleet into action, ten of the most experienced had no decided opinion, and five different plans were suggested by the remaining fifteen officers. Nine of these officers adopted, as their mode of attack, a formation which had no existence in the official evolutions of ISGG, and which is even now tabulated only as a simple fermation, unaccompanied by any directions for the alterations of course, conversion to other formations, etc., etc., which are essential to its development and practice. The unform ed character of next opinion on the questions is pointedly evidenced by the reticence snown at the professional discussions held from time to time at the Royal United Ser-

corresponding rank to Lieutenant Castle. R N., read a paper on the tactics of three (military) arms, generals and colonols, no less known to fame than estermed by their professional brethern, yied with one anota r in discussing. before crowded audience, though from very opposite points, the subject proposed; but when a week or two later, the 'Naval War Game" was brought forward in the same thostre, it was to well migh empty benches, admirals and captains (on the active list) being as conspicuous for the absence as on previous similar occassions they have each been for their reticence. A dense fog obscures the subject, and ad miras and senior captains are unwilling to acknowledge, in professional debates, that they have no knowledge to impart, no data on which to found reliable opinion. If too closely questioned, unlimited confidence in headlong bravery is coutageously avowed to be their sele hope in battle, But sup-pose the foe to be equally brave, with a dash of tactical skill to boot? As captain P. H. Colomb, R. E., one of the first of living tact icians, puts it, "The bravest man had bet ter be intelligently brave while he is about

MANUFACTURE OF 38 TON GUNS .- The , manufacture of the seventeen land service "Woolwich Infant," or 38 ton guns, which nera ordered from the Royal gun factories some months ago, is progressing rapidly at the Arsenal, Woolwich. Several enormous series of coils, weighing each some twenty two tons, and which are intended for these guns, have then lately removed from the reverberatory faraces in the coiling shed. and lie outside acroy for welding. The tukes of cast steel, this e feet longer than any hitherto manufactured, have been received from Messrs Pirth & Co., Sheffield, and will shortly be turned to receive the superincumbent coils. The appearance of the new guns when completed will be an immense improvement upon that of the present naval 25-ton gun. The addition of three feet to the chase, making it in all 19 feet from breech to muzzle, takes away from the stumpy, unwieldy look of the original weapon. But the improvement is not only in appearance. It is an established fact that a calibre of 12 inches with pebble powder requires a greater length of bire than 13 feet—the length given to the "in-fant"—for the expression of the powder gases when such charges as 110lb and a I Olb or 13010 of pander are employed. And the new gun meets this requirement exactly, for the elongation of the powder gas waves is fully provided for by the excess of three feet given to he bore. Experiments with the 10 inch rifled gun show that the entire firce of these waves is not exert. ed until the projectile has started several feet; hence it is necessary in order to obtain the full effect of the powder, to give a considerable length of bore, and with every increase made in the charge of powder to increase correspondingly that length. It is anticipated that no more of the earlier pattern of 35 tou gun will be constructed,

The Spinish steamship Murillo, which was sersed at Dover for running into and sinking the British emigrant ship Northfleet when bout to leave for Australia, and recklessly sacrificing several hundred lives, has been when a officer of the sister service of the condemned, and sold November 5.