may phace hiuself outside cover rith ns. sumed indifference: or if it should bo the first time under fire he might exposo him. self for some minutes, in order to ascertain the effect of the whizzing of the shot on his nervous system. Ilis essentinl influenco under these circumstances is hounded by some such short word of command ns "battalion take ground to tho right 500 paces," if he should observe a better position; or if he should consider the moment favormble for an attack, he will simply say, "Now, for ward, march, hurrah! !' and then rusli on. If the troops aro lying down, they arise just as they are; perhans some of the men, bo coming wild, think it their duty to commence fring in the direction of the enemy, their bullets whiz past the ears of their commanoer, who is in front. and then the whole rout (tross) rush after him to the attack. Somo there are who are of the opinion that discretion is the better part of valour, and that it is better not to throw dirty water anay uatil they got clean; such hold back till those who have gone before have carried the position, when they follow with loud shouts on their tracks.
'this confused an irregular mode of attack should not be condemmed as faulty ; on the contrary, it is a nelessary result of the new arm, and the peculiar training of the men. Tho great and zealous care with which from year to year wo mark, verify, and note down each shot at muslietry instruction, and the virtuous indignation with which every miss is put to the vrong side of the account by the instructor becomes paid with interest. Wo should bring as many men as possible into the cordition of being able to use their arm according to their own judgment.
This mode of fighting has an invariable result; the original depth of the order of batlle, which consisted of a support behind tho skirmishers, and a reservo behind these, is now superseded by a greater extension of the front line.
The far and sure-carrying arms oi precision of the present time forbids suppoits and reserves in closed columns, except whero the ground is favorble for such for mations. It is apparent that either the old secondary formations have become impos. sible on account of the greater range of the missles, which occasions tho distance to become so much increased, that there can finally be no relation between the supports and the engaged line; or the supports see in the loose, opencd out formation the proper means to adopt, and thus of their own accord they rush up at the double into the first line. With regard to thas point of view it would bo well to study all the battles of 1SG6; it will bo found that nearly all the companies of the second line soon forced themselves to the front. The mass of com. panies forces the line to extend laterally, as every newly arriving body has a tendency to join itself on at the wings.
In this striving of the supports and re serves to force themselves forward into tho fighting line lies the impossibility of preserving the old order of battle, or even the primitive tatical formation.
Every division in the rear which has hither. to remained in closo columa rushes in whero necessity or a possibility shows itself. An interchange between the engaged lino and its supports is evidently impossible; there is not even the smallest guaranteo that a company will fighl together with the skirmishers which it has itself throm out, or that the companies of a battalion, or battalions of a regiment, will ever come together. Iet any ono compare the state of every single battle of 1866, with regard to the positions of every division of the army
after the troops bad been well engaged, and the old fashioned order of battle. It wrould, kowever, bo very rash to concludo that n! this was a great series of error; far bettet. would it bo to ascertain horr far these hew phenomena aro legitimate and rensonable.
Tho mounted oflicers are obliged to dismount, which makes the supervision and direction impossible, which is so easy in peace timo mancuvres. Frequently the dismounted staffoficer, somewhat unaccus. tomed to quick marching over stock and stone, is scarcely able to keep up with his battation; thus the brenking up into columns of companics is for him a solution of his difliculty: He thinks that certainly the four officers commanding companies will know what to do, so he attaches himself to a company. The original officers of the lines are in the same perdicament; their lines are broken up and scattered in all parts of the battle; thus they are obliged to give up all idea of commmanding them, and attach thenselves to the first company of infantry that offers, and, in order to do something. command that. It thus happens that some companies, favored by chance, have besides their own captain, a major, a colonel, and a general as well; the company will not perhaps be better commanded, but thoso ofi cers will at least have done all that remaned in their power. Thev aro all in the front line, and by their personal examplo influenco those among whom they bave placed thenselves, but in fact they have become mere captains of companies; the whole line of battlo has thus become nothing more than a fight between a number of company leaders and the opposing enemy.

This mamer of exclusively fighting by columns of companies, and their employ ment on all occasion, is a momentum which has peculiarly developed itself in the Prussian army. For this reason our (Prussian) eaptains aro relatively the most precious portion of the whole army.

Should foreign armies think of imitating our company column fights, they must tako mo consideration how it stands with them with regard to the fundamental principle; that is, the relation between the officersand men. They will otherwiso adopt the disc.dvantages without gaining tho benefit.

There lies also the great defensive porer ci our arm, al element which renders these narrow irregu!ar lines more capablo of resistance chan is apparentat first view. They will always bo able to repulse fecbleattacks; oven the smallest detachments will not allow thenselves to be ridden over vithout ceremony.
It must bo distinctly understood that the loose irregular formations, which we havo here alluded to, are not to hold good on all occasions and in all circumstances. So long as an officer belieres himself to be in a position to gain the same results by keeping to the systematic forms of the service, he is quite right to do so, but let himecollect that one atom too much of this is pernicious. Let officers look to the spirit of theso apparently irregular formations, and not allow themselves to bo taken by surprise or bo disconcrted should they manifest themselves. An army which connot trust in the individ. ual worth of its soldiers, so far as to let them fight in this manner, cannot reckon on the advantages to be derived from the operation of the breechloader.

> (Concluded in our next.)

The government of Victoria have sent an order to England for 120 miles of steol rails.
A kilometer, so frequently mentioned in our despatches from the seat of mar, is about

THE DEFENCES AT DOTES.
Perhaps at the present moment a ford or two about tho fortifications of Dover whil not be out of pirce. Last week wo announced that a board of oflicers had been appointed to inspect the different forts and guns around Doyer, and from yarious sources tro hear that notwitbstanding the importanco of our garrison in a military poime of view, the fortilications have nevertheless been sadly neglected. Dover of itself, of course, may justly bo considered a natural fortress, and if only properly armed might bid definnce to both fleets and armies. We hava, however, ascertained that there is not a singlo gun mounted on any fort in our garrison that would penetrate even a third-rato ironclad. The best gun mounted is a 7 inch breech. looding Armstrong, only firing shell shots, and a blow from this mojectile against the broadside of a modern man of war may be compared to the cracking of an egg against a wall, experiments at Shoeburyness having proved this to be truc. The next best gun is an old smooth bore 42 pounder of an ob. soleto pattern, which was never moro than provisionally adopted in the Servico. The Citadel is amed cxclusively with 54 -pound. er Widgo guns, also of an obsolete pattern. It is unaecessary to enumerato the guns of a less calibre, as what we have already stated is sufficient to show the state the fortifications around Dover are in. We must, nevertheless, add that there aro several other guns of a heavier nature, such as 12 ton and 7-ton guns, but by the orders of a Liberal Government they are, unfortunately, at the present time lying on skidding at Archeliffe Fort and Guildford Battery. Colonel Collinson has returned from his toun of mspe. tion, and now there is $\Omega$ rumor to the effect that it is the intention of the authorities to havo these guns mounted; but oven sup. posing it to be true, the batteries could not possibly be propared for their reception by this side of Christmas.-Dover Chronicle.

## TIIE DERENCES OF THE MERSEY.

The Liverpool Allion says, that since the subject was discussed in tho Town Council, it has taken some pains to ascertain the real condition of the forts. After entering into details with regard to the condition of tho existing defences, it continues as follows: "It will thas be scen that our fortifications are useless. A vessel carrying heavy guns, or 10 or 13 -inch mortars, could hay off from 3000 to 4000 yards, and send shells into the docks and shipping with comparatively little danger from the present forts. It 15 impossible to conjecture why they were built, seeing that, if an ironclad vessel entered the Merscy, nearly all the guns would bo utterly ineffective, and the forts prove slaughter pens for the garrisons, and in action they could not fail to do damage on both sides of the Mersey. It will scarcely bo believed that, at the North Fort, on the Liverpool side, the north casemnte is so constructed that a shell entering the port would slaughter all tho gunners, or, if perchanco it found its way through the doorway, the magazine would be in danger, as it is only three or four paces to the rear of the casenate, and would be struck by every shot or shell which passed through."

In spite of the war, a chess congress is being held at Baden-Baden.

Paris ladles now wear tine same style of bat that was morn one hundred and five. years ago.

