sufficient size, speed and gun power of protect our commerce in distant seas, we are very deficient, having only one vessel of the Inconstant class, and one other, the Blonds, in course of construction with one of the smaller class, the Raicigh, also building. This vessel is, we believe, the best size and type for a powerful cruiser, for she could carry four or six 18 ton guns, which with her high speed, would render her no despicable op ponent for most of the foreign ironelads, and she could likewise carry those smaller guns which the exigencies of naval warfare imperatively require in a cruiser. A vessel of the Raleigh size, armed as we have indicated, appears to be the type of cruiser in favour with our ablest naval officers, and will, doubtless be well considered by the present able Admiralty Board.'

The equipment of an army for actual service is the most difficult operation with which military science has to deal. The moving and massing of the force with its material, and provisions, is the greatest effort otskill, to which human ingenuity can aspire; and yet, to render its operations cor tain, the whole must be accomplished with precision and accuracy.

Various methods have been resorted to for this purpose, but all appears to have cul minated in one idea, and that is the division of the military service proper into two sections-the fighting, and the civil brancheswhereby for every two men placed in line of battle, another will be engaged in supplying the necessaries, to make their service effec. tual.

This duality, involving expensive and complicated arrangements without corresponding responsibilities, has frequently led to disaster, and was always liable to confusion. The failure of the French system of Inten dence, is a fearful example of the former case, as is the break down of the English commissariat in the Crimean campaign, and of the "Control System" which has succeeded it in the Autumn Manœuvres of last year.

It may be true that in those countries, no other system is possible, but it is evident that it removes from the Catagory of military science- Logistics -- altogether; and confining the soldier to strategy and tactics, which is evidently a grave mistake, inasmuch as a thorough knowledge of the for mer, would be the best possible preparations for the latter, and a thorough soldier should understand the whole theoretically as well as practically.

These wonderful soldiers the Romans, were the first to develop the laws governing military science, and their centurion's command represented the tactical unit: In the British service theoretically at least, the same unit is represented by the captain's command, but in reality the regiment represents it, and, as a consequence, the indigiduality of the immediate commanding officer is lost in that of those above him.

As a consequence, it is notorious that the

where, is not conducive to the development of energy of character, or the growth of en-

The reasons are self evident, the abstraction of the practice of "Logistics," from the military science of the day, leaves the mass of the regimental officers little or nothing to think of ordo, once they have acquired a knowledge of drill and the skill to manoeuvro a company in battalion. There is not the opportunity or necessity for that acquisition of knowledge which the military art demands, and the "Civil branch" abstracts from its efficiency by removing the motive for the exercise of brain power.

Modern historical records points clearly to numerous instances of the disasters produced by the system described. The inevitable crippling of operations by the failure of commissariat supplies, or the impossibility of providing transport. The Franco Prussian war showed that in the latter respect, the Prussians had organized respectable transport, but the force of officers and non combatants it required was nearly as many as the fighting force. It was in reality an amplification of the old system of Frederick the Great, one line of men and another line of non-commissioned officers to keep them to their duty.

In a country sparsely populated such a process would not be applicable; for instance: now in Canada we could place say 100,000 men in the field, but it would be too great a strain on our resources to deduct 50,000 from the reserve, merely to attend on the fighting men. We must, therefore, devise some other mode, and luckily the circumstances of the case offer a practical solution of all difficulties surrounding this interesting problem.

Our troops, raised from the whole mass of the population, and therefore local, in the strict sense of the term, make the captains command the natural unit of the force, and as it rarely assembles at headquarters except for battalion drill, the individuality of the officer commanding is never lost in that of the field officer of the battalion.

On occasions of emergency the company officers have to provide transports and provisions for their commands, and it is in this direction we must look for the strictly Logestical training, which is absolutily no cessary to provide for a military force, be fore it can be said to be reliable of efficient.

The first and primary questions in the proposition is, whether man or liorse power is the more costly and valuable; here, at least, man's power is beyond all proportion. The transport of troops, material of war, and provisions becomes then a question of what can be effected by animal power or mechanism, in the removal of a given weight.

Taking 55 men and three officers as life of a British officer in barracks or else- with four drivers, we have a full force of 62 repaired a disaster.

individuals to provide material for, and forage for eight horses.

Each cart should carry 1,000 lbs. as ordinary load, making in all 4,000 lbs. allowing to each individual 40 lbs. for baggage, irre spective of arms and ammunition, all which are carried by the troops, we have for actual necessaries which must be transported.

Five sets of Camp Cooking utensils 40 lbs. or 2001bs

Six days' provision at the rate of 3lbs. per man ... 1,116 Five large tents and one small do. 340 Sparo ammunition

Intrenching tools-

15 pickaxes, each 41bs 60 15 spades ,, 3 ,. 45 15 shovels ,, 3 ,, 45 15 axes ,, 5 ,, 75

Forage for 8 horses for six days, 25lbs. hay per diem .. 1,200 Forage for 8 horses for six days, 15lbs. oats per diem 720

Total 4,1511bs. The spare horses could be used in the transport of field artillery, which must, from the nature of modern warfare, revert to its pristine position of battalion guns worked by soldiers of battalions to which they are attached, or as additional horse power in case of necessity for a rapid advance; this would necessitate a more careful and thorough drill for our soldiers; they should be. as they are good riflemen, gunners, drivers, and mechanics in general, for the necessity for entrenching involves all those qualities.

If it should become necessary to push the troops forward for some decisive movement the mens' knapsacks could be transferred to the spare horses, and would be sure to arrive within three or four hours after the position for the night was taken up.

A well trained quarter-master sorgeant to each company should have charge of the transport, and it would be his business to see it halted in a place of safety within easy reach of the company.

An arrangement of this kind would give our officers sufficient employment, would make each tactical unit complete in itself, and would more than double the fighting power of any force.

Moreover, the health an'l comfort of the men would be adequately attended th, and every precaution taken to render the ineffec tives less.

Every company being dependent on its immediate commanding officer for supplies, the men would take care to see that he attended to their wants while the cost to the country would be immeasurably fessened.

The duties of the commissariat would be confined entirely to supply of depots, there would be no hosts of civilian teamsters to impede retreat or add to a panic by cutting the full compliment of a company, and al. | their horses traces, and riding away preciselowing to each four carts and eight horses. Iy at the moment their services might have