

Pioneers, administration services, etc., gave rather under  $2\frac{1}{2}$  per 1,000, but this proportion was often exceeded in the Field. Thus the army which invested Paris had 147,000 Infantry and Cavalry, with 622 guns, or nearly 4 guns per 1,000 men." (1)

"It has been pointed out that as armies have increased in numbers, so the proportion of guns has been smaller, on account of the difficulty of transporting, and of bringing into action in time, the long trains of a numerous Artillery, and the conclusions have been arrived at, that large armies should not have more than 3 guns, in an open flat country, or more than  $2\frac{1}{2}$  guns in a difficult one, to 1,000 men, but that the proportion might, in a country favorable to the employment of Artillery, be increased to even 5 guns with smaller armies of 50,000 to 80,000 men." (2)

Keeping in view the opinions of the authorities already quoted, it may safely be assumed, that the proportion of Artillery required for the present force of the Active Militia of the Dominion should not be less than 3 guns per 1000 men, and 4 guns per 1,000 men would be a still better proportion. All the fighting that Canada will be called upon to do, for a great many years at least, will be of a defensive character. During the war of 1812-13 and 14, no attempt was made by us to carry on a lengthy campaign in the enemy's country, a few raids were made, lasting a few days, resulting as a rule disastrously, as often as they proved successful, among the former may be reckoned the attack on Sackett's Harbour, 1813, and Plattsburg, 1814, and among the latter the capture of Detroit, 1812. These were the only three of any importance attempted by us. The Canadian Militia when first called out for service, would have to be considered as raw and comparatively undisciplined troops, requiring therefore an Artillery force numerically much stronger than would an army of regular soldiers of equal strength.

The present strength of the Canadian Active Militia, Infantry and Cavalry, is as follows :

|                |        |
|----------------|--------|
| Cavalry .....  | 1,803  |
| Infantry ..... | 27,990 |
| Rifles .....   | 9,330  |

Total.....39,123 men.

(1) Owen's Modern Artillery, page 373.

(2) A translation from the German, entitled: Proportions of guns to men, by Capt. Baring, R. A.