The Swiss were, I believe, the first to introduce the general use of the small boro in military rifles, and at all events their troops of the two first categories of service have for upwards of two years been thoroughly trained and accustomed to the use of breechlonders.

A general compliment may likewise, I believe, be paid to the Swiss field artillery, and especially to the light mountain howitzers, which are admirably adapted to the topographical condition of the country. They are 3-pounders, with carriages so disposed that in case of need the several parts can be carried on men's backs.

Annual drill excursions are made with these among the higher Alpino passes, and the ease and readmess with which these pieces are transported, even where the mule is no longer available, would astonish those who are not familiar with the high Alps and its sturdy inhabitants. The 4-pounder butteries are of cist steel, on Broadwell's breech loading principle, the 8-pounders of bronze, on the Prussia, wedge block system (Keil-verschluss). The Swiss were the first to use iron gun-cirriages. Rocket bat teries and also field artillery of heavier calibro than here mentioned, have latterly been done away with. As a rule, the men assigned to the artitlery take to their work kindly, and learn it with surprising alacrity. The great difficulty in this branch of the ser vice, and still more in the cavalry, hes with the horses. If the training of the men can only be eked out by a superior intelligence or special aptitude on their part, it is obviously quite the reverse with animals whose owners, in their every day avocations use them for utterly different purposes. It is annual drill to get the horses used to work together. The train companies are generelly manned by coachmen, carters, ostlers, of the grave defects which night become tons than upon others, painfully evident in actual campaigning; the theory of the law assumes a sort of very limited number of horses, and these Staff, are permanently kept on hand by the Federal Government. The mass has to be indemnities to be paid for damage incurred &c., naturally lead to a good deal of job some degree, by making, as we have seen, and cantonal and federal "Schutzen Vereire,

they are taken, varies largely—from 400 to 1 It is in this, and in the peculiar character 1,200 francs, say 151, to 501, for horses are of the Swiss, and the circumstances of their by no means cheap in Switzerland.

the gear and accourrements leave much to be desired, and seldom comes up to the smartness of other countries. The mentare scarcely an opportunity of "getting up," the very important points connected the non-commissioned instructors appointed by the Federal authorities.

of instruction and repitition, will strike most of my hearers as surprising short and insufficient. It is for the recruits of the engineer and artillery corps respectively 48' days: for the cavalry-dragoons, 55 days and the guides 41 days; for the sharpshooters, 31 days. At repetition drill the engineers and artillery are generally called out for 14 days, and the cavalry every year for 7 days.

In the infantry the recruit is drilled during the first year for 31 days, and each year following for 6 days. The cadres, that is to say, the officers and non commissioned offi cers, are called in one or two days earlier than the file. The deill from the first is, so far as circumstances will admit, by tactical units, and for this purpose the Federal mili tary districts correspond to divisions of the Federal Army, the cantonal unlitry districts to brigades, battations, or, in special cases, half battalions. In all drilling subsequent to the instruction of the mere recruit, the different arms are to act conjointly, and where any of the smaller cantons lack any special arm, such as cavalry or artillery, they are to unite with the neighbouring cantons for the practice of their men, and any additional expense arising therefrom is borne by the Confederation.

Men who, from any cause, have not per formed their duty in the first category of age are liable to recruit's drill upon entering on the next following category.

The drill in all its stages is hereafter to be directed by Federal instructors of various grades, corresponding to the importance of

the troops collected together.

The prescribed maxium of annual drill is next to impossible, in the short period of exclusive of such field managures in a larger scale as the Federal Government may from time to time order, and, in point of fact, executed generally every two years. Care is, of course, taken that the service for and their class, but even they are not ac. Care is, of course, taken that the service for customed to the sort of driving required, this purpose does not, in the long run, fall especially with strange horses. This is one timore heavily upon some one or more can this purpose does not, in the long run, fall

and even in the mere peace-drill, the acci- general expropriation for military necessidents and damage arising from this cause ities, of course against suitable indemnified general expropriation for military necessi are disproportionately numerous. Only a thon, and, therefore, everything needed for the troops may under certain circumstances, for the use of the superior officers of the and in a duly prescribed form, be requisi

Itioned.

Slight and apparently insufficient as the provided by the cantons. The selection, training is, as compared to standing armies, appraisement before and after service, the fit must be kept in mind that the Swiss untraining is, as compared to standing armies, questionably possess a special aptitude for military service. In many of the mountain bery, which is not calculated to raise the cantons every man is more or less by profesefficiency of the mounted services. It is sion a hunter, and therefore, a marksman, endeavoured to do away with this defect in Nearly every village has its shooting range. the duty of the mounted soldier more con- for "Riflemen's Associations," constantly tinuous in the earlier stages of his hability, bring together wast gatherings of practised and then either wholly or in part, exempt shots to a great holiday and jubilation.

'Moreover, the policy of assigning each man Some difficulties are also placed by recent 1 to the branch of the service for which he is enactments to the owner's disposing of a best fitted by civic occupations—the boathorse which has once been accepted, and man to the pontoniers, the machinist to the substituting a new one. The value of the engineer corps—greatly facilitates the task horses, according to the service for which of the instructor.

social life-as I intimated at the outset-Besides a generally low standard in this that the so called Swiss system really con-respect, it must be added that the state of sists, rather than in the clauses of the Fed that the so called Swiss system really coneral legislation, and its application by the cantonal authorities.

The Swiss have as a rule, an excellent primary school education to begin with. From an early age, in some cantons as early as the case in peace drills falls mainly upon interest and part in public questions. Some known, still preserve the primitive form of sariat, veterinary, &c. Annually some few

The time apportioned to the drill, both a pure democracy, so that the Legislature, or Landsgemeine, consists of every male in the canton. But even some of the large cantons such as Zurich, provide for their citizens an amount of participation in public business which would simply be impossible anywhere else. The most minute questions of cantonal legislation or administration are constantly and habitually submitted to the popular vote. All offices are elective. Revisions of the constitution are frequent, and debated with vehement partizanship. Someties for every conceivable public purpose are more numerous than even in England. If this political activity may justly be considered excessive, it has at least this effect, that even the lowest average capacity, is assolited with the public business, that each readily conforms to an obligation which he may be said to have imposed on himself and finally that is thoroughly accustomed to co-operative action. Where all these circumstances do not exist in the same degree, I cannot bring myself to believe that the Swiss military system would give the same results. As it is, the Swiss militia, as a whole, present a body of men of highly creditable efficiency and discipline. Where it is most open to criticism is in the general average of its officers.

I need say little of the Federal Staff, which, in its composition and organization is not essentially different from that of any regular army, and numbers many men of distinguished ability. I may only remark, in passing, that promotion beyond the rank of captain is by selection in contradistinction to seniority. The superior officers of the several departments, the Federal Legislature and also the Cantonal Governments. may present nominees, but the appointment lies in time of peace with the Executive Council of the Confederation, and in time of war with the Commander in Chief. The latter is always elected ad hoc, and for the duration of a campaign, with but little, if any restriction as to choice, and during his functions enjoys an almost dictatorial authority. When these terminate, he retains merely an

honorary rank.

The appointment of the Cantonal officers, that is, the whole mass of the officers of the "tactical units" comprising the Federal forces, is one of the most peculiar features of the system. Formerly, and to a great extent even yet, the cantonal authorities had the widest discretion in this respect. Some degree of uniformity is now sought to be established by the enactments in the new Army Organization Bill. According to these, every commissioned officer must previously have served as a non-commissioned officer, and he must be recommended by the other officers of the "tactical unit."-i. c., battalion, battery or company to which he belongs. The non-commissioned officers are appointed by the commandent of the battalion, after consultation with his officers and non-commissioned officers. The grade is only then definitely conferred, when the nominee has passed successfully through a prescribed course of instruction at the respective Federal schools of his arm. It will impress my hearers as highly characteristic and significant that the acceptance of a grade for which he may be qualified is obligatory upon every man liable to service Every cantonal Government is required to send to the several federal schools of officers' instruction annually at least as many qualified non-commissioned officers of each arm as may be needed to fill the grades in its contingent for the next ensuing year. Bewith stable duty, which from the nature of mnetcen, he is called on to take an active sides the Federal schools for each arm, there are special staffschools for instruction, subof the smaller forest cantons, as is well divided into general staff, sanitary, commis-