reserve men availabe for the gun detachments, and the proportion of horses, should be increased, and a second collar-maker should be given to those batteries that have but one at present. Not unnecessarily to increase the number of officers in the junior grades, the third lieutenant for each battery may be drawn from the auxiliary army in the event of a mobilisation; but the adjutants should remain permanently with their respective batteries, otherwise it will be necessary, in the event of war, to make a number of fresh appointments, thus removing the senior non-comissioned officers from their batteries at a time when their services are most needed.

The sous chef artificer should be included in the number of bittery non-commissioned officers, the proportion of which may not be increased.

Eight gun Batteries .- The tacticaunit of artillery should remain the battery of six pieces. Relieved by the formation of the divisional reserves, the battery may be handled under all circumstances, by the may be captain in command. Promotion might perhaps be fecilitated, within certain limits, by substituting batteries of eight guns for those of six, but the change would offer no special advantages from a tactical point of view. The new battery, under a chef-d'escadron, having two captains under him, would be less handy then the old; and although, it is true, it might easily he split into two detachments of equal strength, this advantage which would be chiefly observable from an administrative standpoint, would be counterbalanced by the retention of the captains in

altogether.

Escorts and supports for Divisional Artillary.—Many officers, considering that the troops employed in supporting the artillery assure the safety of that arm in, at least, a very imperfect manner, have suggested the formation of a special corps to furnish per-

a subaltern position, whereby, in the long run, their self-reliance would be destroyed

manent artillery escorts.

According to this view, each division would have attached to it for the purpose, a battalion of foot artilierymen, who would be entrusted with the duties of fascine and gabion making, battery building, &c. The mounted duty would be performed by squadrous, specially told off for the purpose armed as mounted rifemen, and equipped so that their horses could be used for draught whenever required.

Others, again, whose number, it is true, is small, hold that standing escorts would, at the best, perform with difficulty the duties thus contrusted to them. When the artillery supports consist of infantry, they observe, the latter are frequently unable to keep with the guns in rapid movements, when they are composed of cavairy the latter are often brought upon ground where they are unable to act. It is for generals to make such tactical dispositions, according to the circumstances of individual cases, as will secure the artillery against sudden and unforeseen attacks.

The German military press says that the new Prussian Manser rifle carriey with extraordinary exactness at long distances. It is sighted up to 1,600 motres. The maximum rapidity, in isolated cases, is 18 shots per minute, and 12 in salvoes in exercise. In campaigns these numbers will probably docrease to 12 and 8 respectively. The Manser can be charged in half the time taken for the needle gun, and three fourths of that occupied in loading the Chassepet.

THE KHIVAN EXPEDITION.

The latest intelligence from the seat of war confirms in general the previous news, referred to in our last impression, of the progress made by the Russian columns in Central Asia. Telegrams have arrived from St. Petersburg, dated the 18th and 19th in stant, from which it appears that the Manguishlak detachment, commanded by Colonel Lomakine, effected a junction on the 26th of May with the Orenburg detachment, commanded by General Verevkine, and that the next day the Russian forces took Khodji In by storm, and put the enemy to flight. The Khivans numbered 6000 men, and had six guns. A second time, namely, on the 1st of June, the Khivans, numbering 3000 men, with three guns, made a stand at the fortified town of Mangit, when again they were defeated, and the town captured. General Kaufman had crossed the Amou Darya, and was only two days' march from Khiva. General Verevkine was at the distance of three days' march. He occupied Kungrad on the 20th of May, the Khivans flying be-fore the Russian troops. The Russian flotilla from the sea of Aral was unable to get beyond Kungrad, on account of the

shallowness of the water,

A telegram from Teheran, dated at noon,
June 19, states that Colonel Baker, Captain I
Clayton, and Lieutenant Gill have arrived I
at that place, after having visited Tehikishlar and the Attreck. The statement in the
same telegram that the Russians have abandoned Tehikishiar, and have no posts on the
Tersian frontier, except at Ashurade, confirms the former announcement that the
men of Colonel Markosoff's command were
too much exhausted to retrace their steps.
and had retired on Fort Krasnovodsk. Tehikishiar, nine miles north of Hassam
Gouli Bay, into which the Attreck runs, is
said to be unimportant as a muttary position and
and is now reoccupied by the Turco-

mans.

With respect to the future of Central Asia as likely to be determined by this campaign should it end in the complete success of the Russians, it seems prefty evident, as pointed out in the Petersburg Golos, that Bokhara, surrounded on three sides by the frontiers of Russia, will also be occupied. "The Bok hareso evidently know what is comming, and are already afraid of it, but come it must, although, perhaps not so speedily as they imagine. In addition to Bokhara, wo shall require the densely inhabited and very rich Provinces of Marshi, Hissar, Kundush, and some others in that quarter. Without the annexation of these di tricts, Turkestan is worth nothing to us; but a single glance at the map suffices to that if we extend our frontiers in that direction we shall only be doing what is inevitable." As for our own Imperial interests in the matter, the Russian World publishes a Constanti-nople letter, in which the writer says that after taking Khiva the Russians could invade India in three months, marching the distance to Herat in twelve days, respondent adds that the English Ambasad or at Constantinople is in conference with the Envoy of Kubgar, with a view to a joint English and turkish protectorate of that province. This must be accepted quantum raleat. We would only add, on the impulse of the moment that the old policy of keeping a sort of hedge and ditch of weak States between our own frontiers and those of of other Powers which threaten our security in the East, appears to be played

Some interesting information has been

sent by the Teheran telegrams quoted above relative to the Attreck. The river, it appears, though broad and deep a short distance from its mouth, is cut off from the Caspian by a bar with only two feet of water. About one hundred miles from its mouth it narrows greatly, and becomes unimportant, variable, and it can only be navigated by the light Turcoman boats of about six tons, and only two feet draught of water. There is bad anchorage along the shore of the Caspian from Tchikishlar to near Ashurade. Vessels of twelve feet draught cannot approach within three miles of the bay of Hassam-Gouli. Finally, the Russian Consul at Astrabad maintains Russian in fluence along the frontier.

How keenly Russia is watching her own interests in these regions may be judged of from the report which reaches by way of Brussels that on account of the Persian Concession to Baron do Reuter—which is the subject of remark in another column—the Russian Government has decided to impose a transit duty on all goods crossing the Cau-

casus .- Broad Arrew, 21st June.

"MONCRIEFF" SYSTEM OF MOUNTING ORDNANCE,

On Monday evening, the 9th inst., Major Moncrieff road a most interesting and ablo paper at the United Service Institution, entitled, "Further Observations on the Mon-crieff System of Mounting Ordnance," to a large and influential meeting of officers and gentlemen, Colonel Right Hon. Lord Waveney, A. D. C., presided. In explaining the precise object of the paper, reference must be made to the report which was made in our columns of a lecture by Lieutenant English on this system a short time ago, the paper produced by Major Mancrieff being in reality an explanation of defeats and disadvantages alleged against his system by Lieut. English. The lecturer first referred for his explanation to the tables produced by Lieutenant Eng-lish at the lecture, which showed that the 9 inch 12 ton gun, which was used for the Moncreff carriage as compared to the liinch gun, had a mean error of 81-1 yards ngainst 16 yards, and difference of deflection of 44 against 1.5 yards; but he stated that particularly, as there were so many of the 9 inch 12 ton guns in the Service, he was glad to find that the tables used related to an experiment of the rifling and shot, and not of the gun. It was evidently, he thought desired by Lieutenant English to reduce the advantage of herizontal exposure, by his recent lecture; but it was well known by simple experiments only that a miscalculation of range which might only cause an error of inches against a vertical target, would give an error of yards in a horizontal one. In answer to a statement as to the cost of foundations being a necessary evil in his system he remarked that he could at a much smaller cost establish his batteries on the Thames and Medway than could be done by the old system, and also without the need of men being permanently stationed there. In answer to the statement of Lieutenant English that "the one advantage of extreme lateral range is to provide against the rather improbable case of one of a small number of ressels attacking a number of heavy batteries,' he isk i first if it was a true as: sertion, and if so, would it be true on other cases also. He though that there would be a great advantage in the guns besides bear-ing over the ray 30 as allowed by firing from behind iron shields, to do so over as large a lateral range as possible as in his system, by