## Correspondence.

Provo CITY, Oct. 18th, 1869.

Editor Desert News:-The general juster at "Camp Wells," near Provo, the militia of Utah Military District, ok place on the 13th, 14th and 15th istant, and passed off pleasantly, as he weather was favorable. In view of he pressing labors of the season the umber present was commendable; Ithough some of the extreme outposts ere not represented.

On the morning of the 13th, camp as formed with the 1st cav. on the ight, 2nd cav. on the left, 1st and 2nd rigade occupying the centre. The nes of tents, wagons, teams, etc., made stirring prospect in our vicinity. The fternoon was spent in company and attalion drill.

Thursday 14th was a busy day, every our employed in drilling and camp uty. In the morning Major Gen. R. Burton and Lieut. Col. H. W. Lawence, of your city, with escort, were uly received by the troops in line; they

fterwards took an active part in the xercises of the day.

Friday 15th, the troops were reviewed nd inspected by Gen. Burton, after which the forces were drilled in field hovements until 4 o'clock p. m., many isitors witnessing the evolutions, and stening to the brass and martial music rith pleasure. At the close, a square was rmed and the assembly addressed by he Hon. A. O. Smoot, who encouraged all to faithfully perform their duty; he as followed by Gen. Burton in an able and patriotic speech. Gen. Pace congratlated the troops on their attendance Ind the good feeling prevailing during he muster, and directed that the encampment break up in good order, barade with cheerful hearts and willing minds, having done their duty.

A military ball was given in the eve- much has to be used. ing at the Theatre Hall in which a podly number of the officers participa-

## BOILER EXPLOSIONS.

The recent steam boiler explosion at he Indiana State Fair is another fearful instance of the recklessness, so far human life is concerned, for which he country is becoming notorious, and shrough which so many lives are annu-Illy lost on railroads, steamboats, etc., ad furnishes additional evidence of the scessity of legislative interference to devent their recurrence.

We have received the following com-Junication from Mr. W. J. Silver, Civil Ingineer and Draughtsman, of this pity, which contains many excellent hggestions in reference to this subject ow becoming of more interest than iffer to the people of Utah, on account withe increased importation of steam boilers and other machinery since the impletion of the Railroad:

SALT LAKE CITY, Oct. 18, 1869. Leditor Desert News:—Sir.—The late plisastrous boiler explosion at the Indi-Ina State Fair seems to have caused Vonsiderable excitement, judging from the comments in various Eastern pa-Wers, and in consequence considerable malk of legislative arrangements tend-

og to prevent the occurrence of such Islamities in future.

Of course public attention has been Farticularly drawn to this case in conequence of its surroundings, probably had the accident occurred in the woods with nobody but the engineer or firesave been said, as men filling those poontingencies, and therefore not to feel

bad about it. In this city, and in various localities within a short distance are many steam ingines and boilers at work, principally blugaged in driving saw mills or wood working machinery; and I wish to call elttention to the fact, which is beyond enccessful contradiction, that not one of these boilers are known to be in safe working condition; except such as from eing recently new, may reasonably be apposed to be unimpaired; although he boiler at the Indiana Fair was new and supposed to be in good order.

As we are likely to have a continual intrease of boilers and engines, from time to ime in operation in this city and territoory as business increases, requiring pow-

as possible, the occurrence of such dis- actual working. asters in this Territory by the enforcement of certain regulations which have the desired purpose to a great extent.

law, which however applies only to steamboats, &c., but not to the numerous engines employed for stationary purposes, which law, when I was there, was frequently rendered doubtful and oppressive in its operations by the appointment of inspectors who had no other qualifications than being politicians of an uncertain grade, and who, in certain cases, could be (not bribed of course) but considerably influenced by certain considerations which could be used by wealthy proprietors, or still more by political friends.

I would recommend among other enactments the appointment of a suitable person as inspector, whose business it should be to examine the boilers within a certain district and satisfy himself by personal inspection, inside and out, where possible, that every boiler in his district is in safe condition for running, and give a certificate accordingly.

Next, the use of hydraulic pressure at intervals of not less than six months to an amount proportioned to the pressure intended to be used; not less than 150 pounds where 100 pounds is to be the

working pressure.

I would also call the attention of proprietors to the fact that there are several appliances, not at present in general use here, which greatly tend to economy and safety in the use of steam power. For instance the Glass Water Guage by which the proprietors, or any person passing can tell by a glance whether the water is at its proper which was done, all marching from the height or not, and in fact is the only method of ascertaining the water level when alkali or other water which foams | R. Savage, Esq., the well known photo-

the engineer can at any time, whether conevnient to run his engine or not, pump water into the boiler, and at other times pump into a tank or reservoir a narrow gorge bounded by smooth ready in any case of fire. This is generally supposed to be an expensive arrangement, but the idea is a mistaken one, as 100 to 150 dollars would furnish and fit this apparatus to any engine in of the most singular, grand and beauti-

this city. by any means the water gets too low, and allow the steam to blow into the fire and put it out, are often rendered inoperative by want of underof which should be in place and the others kept in good order ready for inbe kept in more than one month, when it should be taken out and another put | most remarkable in the Territory of in, and those in reserve carefully examined to see that the metal is not corroded. The time occupied in changing will not exceed half an hour.

If I were engaged as engineer, and among scenes so grand and beautiful. sure of my situation for two years, I would, at my own expense, furnish the above arrangements for the time that I was running the engine, as the comfort and security, which I should derive therefrom, would more than repay the expense; but, of course, I do not consider it the engineer's business to do

Pressure guages are in general use by further be referred to.

gineer, by which I do not mean a man found, and of the dangerous character whose sole recommendation is that he of their inhabitants, the habits of these served his time to the business, who af- animals are very imperfectly known. fects to have secrets in his mode of The following account of two nests, working, which he is very careful to which were recently found within a guard from others. I have always found few miles of Colombo, may therefore be the man of profound mystery an ignor- interesting to naturalists. The first of amus who took this method of hiding these nests was discovered by Mr. Symtions are supposed to be used to such study, will render himself competent and fifty eggs, which he removed, not for his duty, who will not rest satisfied without considerable risk, having been to know only as much to-morrow as he repeatedly charged by the old crocodile knows to-day, who will not be content who was guarding them. My curiosity till he knows everything about his en- having been excited by the description gine, so that not a bolt or a key can get which I received of the nest from Mr. loose without his being able immediate- Symonds, I went to examine it myself. ly to detect it and remedy the fault.

theoretically but a committee wait on two feet deep, in which the old croco-

er, it may perhaps be as well to call the at- him at his engine and note his mode of tention of our legislators, who will firing, the amount of fuel used, and the shortly meet, to the necessity of endeav- steadiness with which he keeps up his oring to do something to prevent, as far steam and water and other points in

In the above communication I have not said anything which will injuriousbeen found in other places to answer ly affect any one, as from my acquaintance with steam proprietors here they New York state has a most excellent are as desirous as any others can be to take such precautions as are necessary for safety which also means economy.

W. J. S.

The following observations on the same subject, from a recent number of the New York Tribune, are exceedingly pertinent and well timed:

"The details of the calamity at the Indiana State Fair forcibly suggest one or two questions. Was there any necessity for placing a boiler where its explosion could kill or maim nearly one hundred persons? Cannot the power to drive machinery be conveyed from a boiler distance at least a hundred feet from the crush and throng of a public exhibition? Ours is pre-eminently the country of boiler explosions. It is only where our State laws enforce a rigid inspection that such accidents become rare. The framed certificate that is displayed on every passenger steam boat is a badge of protection; but why should this be confined to steamboats? Why not follow up the boiler of every steam-engine by suitable inspection from the hands of the maker to its final destruction? Anybody at present may purchase an old boiler, patch it up, place it under a sidewalk or in a building, and fire up. Perhaps the owner has an intelligent engineer, perhaps not. A rough guess is made as to how many pounds the thing will stand, and the safety-valve is weighed accordingly. That legislative interference which is the horror of an American is rarely applied to steam; and yet there are more people killed by its explosions, in times of peace, than by gunpowder."

Есно, Oct. 15th, 1869.

Editor Deseret News:-Yesterday C. grapher of your city, and myself, visited Independent feed pumps, by which a kauyon situated about seven miles south east of this place; and felt well paid for our labor. The kanyon opens into the station at Echo. The mouth is steep hills; but as you ascend the kanyon becomes wider, the valley being covered with fine grass. About four miles from the mouth, we found some ful formations of conglomerate sand-Fusible plugs, which melt when stone we ever saw. Many peaks rising nearly perpendicularly for hundreds of feet, some in the form of pyramids; some having large projecting caps; others worn into the most wonderful and fanstanding how to use them. There should tastic shapes imaginable. The colors be, at least, three or four of them, one were varied, presenting every shade from white to black. From the shape of many of the rocks we felt authorized sertion when required. One should not in naming the kanyon Pyramid Kanyon. In our opinion it is one of the Utah.

We wandered among the vast pile of rocks until sunset: wishing that instead of a day we could have a week to spend

Mr. Savage secured a few steroscopic views, and promises to return the first opportunity for greater results.

Yours &c., O. C. SMITH.

## THE NEST OF THE CROCUDILE.

The favorite haunts of the crocodiles all responsible persons and need not being but seldom visited, in consequence of the insalubrity of the locali-The employment of a competent en- ties in which they are generally to be I found it amongst the bushes on the But after these qualifications you swampy bank of the Bolgodde lake, at a must not expect to hire him at about distance of a few feet from the water. the same rate of wages as are paid to a The nest itself consisted of wet vegetateamster for driving a few yoke of cattle | ble matter mixed with mud, and was or span of mules. Demand the proper raised to the height of between three qualifications and then pay for them. and four feet, presenting in shape very If necessary let every man pass an much the appearance of a small conical examination and get a certificate thereof. haycock, but in color and consistency In this respect I understand the Ger- that of a heap of dung. Round the man method is superior to the Ameri- base of the cone was a circular trench at a recent military review, near Bevercan, as a man is not only examined more than three feet broad, and about

dile was wont to wallow while watching her nest. The circle inclosed by this trench, the whole of which was covered by the base of the nest, was between six and seven feet in diameter. I am not aware that these conical nests have been previously noticed. The eggs are placed at a height of at least two feet above the surface of the water; and, although the nests in Ceylon are principally composed of aquatic weeds, in a wet state, which might be expected to give out considerable heat in fermenting, yet I do not believe that any artificial heat is required to hatch the eggs, because several eggs, which were procured from the Bolgodde nests, were hatched in my house, being merely deposited in earth which was kept damp and exposed to the rays of the sun.

While examining the nest that had

been discovered by Mr. Symonds, we were told by some natives who accompanied us that there was another nest, within a mile or two of the spot, which had not yet been disturbed. On visiting this second nest, we found it in all respects very like the first, except that it was not so large, and that beside the trench which surrounded it, there were one or two holes in the swamp in which the natives said that the old crocodile was accustomed to lie. Warned by the narrow escape which Mr. Symonds had when examining the first nest, we approached very cautiously, expecting an attack every moment, and when we were all assembled on the edge of the trench surrounding the nest, we hesitated to cross it, because it was when he was in the act of stepping across the trench that Mr. Symonds was first attacked by the other crecodile, which raised its formidable jaws directly beneath him, and would no doubt have effectually put a stop to his proceedings, had he not prompily discharged the contents of his fowling piece down her throat. This shot was not, however, fatal; for Mr. Symonds was subsequently charged twice by, as he believes. the same crocodile. On anding, however, that no crocodile appeared, our confidence returned; and at length one of our number ventured to approach near enough to remove the top of the nest, and to take away the eggs, of which he procured twenty-five. On my expressing astonishment at the pacific conduct of the parent crocodile, and suggesting that it was probably absent in pursuit of food, the natives who were with us expressed their conviction that it was at that moment in the trench, but that it was of a different caste from the first. Further inquiries have satisfied me that this belief in the existence of two different species-or, as the natives call them, castes of crocodiles, is universal in the country; and Dr. J. Anderson, of the Indian museum, Calcutta, informs me that a similar belief prevails in Bengal respecting the mugger, which closely resembles the crocodile of Ceylon, if it be not identical with it. One caste is said to confine itself to a fish diet, while the other attacks human beings. The former, called by the Sinhalese Elle Kimbola, or gray crocodile, grows to a larger size than the more savage species, and it is said to be that which is found about Kornegalle. As I have two thriving specimens, hatched from the eggs of the crocodile which attacked Mr. Symonds, and am promised one of the progeny of that which submitted so quietly to the plundering of its nest in my presence, I hope that I shall be able to ascertain, by the aid of some eminent English naturalist, whether they belong to the same or to two different species. At present they present no difference that an unscientific eye can detect. I may mention that there is some dif-

ficulty in bringing up young crocodiles by hand, as they obstinately refuse every kind of food that I have ever presented to them. One, which was brought to me, some years ago, died of inanition, although, for a week or ten han killed or hurt, very little would his ignorance. Give me a careful and onds of the Survey Department, who days that it was in my possession, I conintelligent man, who, by work and found it to contain about one hundred stantly tempted it with both flesh and fish. Those which I now have I feed by forcing bits of raw meat down their throats with a stick, two or three times a week. Under this treatment they seem to thrive, having about doubled in size since they left the egg; but the operation is not a pleasant one, and requires some dexterity, as their teeth are exceedingly sharp, and they lose no opportunity of turning upon the hand that feeds them .- Rev. Bancrojt Bouke.

> Spending \$50,000 a year, out of an income of 5000, caused a New York cashier to default.

> Two detachments of cavalry collided loo, Belgium, and seriously injured fourteen men and two officers.