took their horses and valuables. Private miles below Swimming Woman's creek; John Bull of the cavalry, while out hunting that General Custer with his cavalry has met a similar fate. In this flight two Indians wers killed and several wounded, and they lost several ponies. On the 8th of August, four days after the light at Tongue river, we came upon the site of a recent Indian village. The Indians had packed up and left a few days before, abandoning considerable pro-perty. General Stanly directed General Custer to take his cavalry, numbering 450 men follow the trail and, if possible overtake lelt on the night of the Sth. and marched all night and most of the next day. At sundown on the 9th, after a march of forty miles, he arrived at a place where Indians had crossed the river twenty four hours before, taking over their families on "bull boats' and rafts. The next day he attempted to cross the Yellowstone, which at this point is 450 yards wide. The current was too swift and deep to swim horses and men, and the attempt to cross had to be abandoned for want of axes and rope. At even ing his camp was discovered by the Indians. On the next morning (August 11) 'at day-light, he was attacked by about 800 Indians, who came down to the river and fired on his cump. The firing was returned for two or three hours, both parties using the trees as a cover. A party of 300 Indians then crossed the river above and below our camp, and endeavored to gain the bluffs in our rear. Our men were dismounted, and posted on the bluffs and received them bravely. The Indians behind the ridges kept up a galling fire until General Custer ordered a charge. Our men then mounted and pur sued botly for eight miles. Just at this time the train came up and opened on the Indians across the river with artillery; a few shots dispersed them and ended the fight. This battle, which took place within two miles of the Big Horn, was a fierco one. General Custer and adjutant Ketchum had their horses shot under them. Lieutenant Braden was badly shot in the thigh; Private Tuttle, General Custer's orderly, was killed and twenty of the soldiers were slightly wounded. We had four horses killed and three wounded. The Indians' loss is esti-mated by General Custer at forty killed and wounded. The Indians were well armed with heavy rifles and had abundant ammuni tion. Some were dressed in clothes procured at the agencies. These were mainly Uhcawapao, supposed to be under command of Sitting Bull, and also supposed to have received their supplies from Fort Peck on the Missouri, a famous trading post for Indians and an infamous one for whites. Camp Cook is another of their supplies. A liberal appropriation by Congress was made last year for making the trading post at Fort Peck a military post, practically an appropriation for fighting our own armies. A large quantity of arms and ammunition was shipped to the posts as "hardware." These agencies sadly need investigation. The expedition arrived at Pompey's Pillar on the 15th, and reached the Mussel Shell on the 19. It is now homeward bound. Reynolds and Norris, two hunters, take this despatch to Fort Benton, 150 miles distant. General Slanly expects to reach Fort Rice by the 1st of October The health of the command is good. Lieutenant Braden is getting on well.

The following despatch has been received by General Sherman from Lieutenant General Sheridan dated "Chicago, III., August 29, 1873:

had two affairs with the Indians-one on the 4th inst., the other on the 11th, in both of which he was entirely successful. Our loss was four men killed and one officer, Lieutenant Braden, of the Seventh Cavalry, and three men wounded; the loss of the Indius is estimated at forty killed and wounded. The veterinary surgeon of the Soventh Cavalry, Mr. Ballarum, a trader, and Private Ball, of Company F, Seventh and punish the Indians. General Custer | Cavalry, have been waylaid and murdered by the Indians. Lieutenant Braden is doing well. General Stanly expects to reach the Yellowstone crossing again between the 9th and 15th of September.

> This following article cutited Lie sson's Aggressive Torpedoes is copied from the United States Army and Navy Journal of 6th Sept., and is the latest published docu ment, relative to that peculiar weapon of navel warfare.

> Our readers will remember that we published a letter from the attorney of the proprietor of the Lay Torpe lo Bout some time ago, stating that it had been submitted to a final test, and approved, but of 'ais final test we have no published records. We hope for the benefit of society that the experiments now in progress with the Erricsson torpedo will not be kept quite so secret, but that an opportunity will be afforded to outsiders to criticize its merits. Our contemporary says:-

"We have received the following particulars from Captain Ericsson relating to the trial of his torpedo, now in progress on Long Island Sound. It was supposed previous to the trial that a steam tug would be necessary to tow the vessel which carries the reel and cable, and the steam machinery for compressing the air; but it has been found that the torpedo, which, as previously stated in the Journal, is eleven feet long, and twenty inches wide, has ample power to tow the vessel referred to, a scow forty feet long twelve feet beam, drawing twenty three inches of water, the sides being vertical and the water lines rectangular. The fact that the torpedo is capable of towing such a vessel, the form of which evidently produces maximum resistance, in addition to towing a water tender and two row boats, furnishes practical evidence of the propulsive power furnished by the vessel, and it is to be remembered that the compressed air which supplies the motive energy, passes through six hundred feet of tubular cable parually coiled on the real, before reaching the torpedo engines. While towing the scow, the torpedo projects half an inch above wateras it does at all times when propelled at a rate less than eight feet per second. Accordingly, the top has been in full view while towing the scow and tornedo boats to and from the trial ground. Considering the very small size of the torpedo and large dimensions and unfavourable form of the scow, not to mention water tenderand boats, the satisfactory speed attained is evidently a feature of considerable importance. marits special notice that the motive engines of the torpedo, composed solely of bronzo, have not required any adjustment whatever during the experiments, and that up to the present time no oil or grease has been applied to the crank journals, propellor shafts, General Stanly notifies General Terry that or other moving parts of the machinery. all he has reached the Mussel Shell river, five which work in tignum vite bearings, lubri-

cited by the sea water, which freely enters

the engine c inpartment. The most important property of Captain Ericsson's torpedo boat being its espability to run under water, the efficiency of the means adopted for this purpose have been subjected to repeated tests. The result on all occasions has been that, on starting the propellors by admitting compressed air to the tubular cable, the torpedo (half an inch above water as before stated), begins to dip as soon as a velocity of eight feet per so cond has been acquired, and in twenty one seconds from the time of turning on pres sure, the submersion of the body is completed, its centre of gravity having then descended to a depth of seven feet six inches below the water. The instrument which determines the extent of submersion is ac tunted by hydrostatic pressure, the mechan ism remaining perfectly stationary until a given depth is reached, when the action is instantaneous, and any further depression checked. When the sea has been calm dur ing the trial, and the speed of the torpedo kept up at the before stated rate of eight ft. per second, no appreciable fluctuation of submersion has been observed, nor has any increase of speed beyond, tended to increase or diminish the submersion. The position is indicated by a perpendicular central must consisting of a light flexible steel rod, which readily bends in case the torpedo passes un der drift wood or similar floating bo lies. A circular disc three inches in diameter, punt ed white on one side, is attached to the up per end of the said mast, the latter being provided with certain marks, which, during the experiments, have enabled the operator to ascertain the exact depth of the water above the top of the submerged body. The instrument before referred to, by which time submersion is regulated, consists principally of a weight balanced by hydrostatic mes sure. The extent of submersion may conse quently be regulated by increasing or dim mishing the said weight. The rudder being applied above the vessel, it will be evolved however, that the submersion cannot be is duced beyond a certain limit, say two feet. without destroying the steering proporties. Accordingly when employed as a tug boat the steering is effected by guy ropes regular ing the direction of the torpedo.

It should be mentioned that the weight adverted to, which balances the hydrost vie pressure of the present torpedo, was deter mined theoretically, the intention being to bring the centre of gravity exactly eight feet below the water, the limit being called for in order not to run the torpedo under theintended turgets, during the experiments The estimate of the amount of friction of the mechanism being somewhat too high, the weight is raised sooner by the hydrostatic pressure than anticipated, and hence the submersion arrested when the centre of gravity of the torpedo is seven feet six inches, in place of eight feet below with line as intended. Regarding the steering qualities, Captain Ericsson states that the result is abundantly satisfactory. By simply admitting more or less pressure of air intithe tubular cable, the submerged body turns either to the port or starboard, a full circle being performed in a run of 400 feet, with the rudder hard up. When entirely sub merged, the torpedo vessel has remarkable stability, owing to its form in connection with the position of the internal mechanism and the employment of bottom plates of half inch thickness, while the top is composed of plates less than one eighth of an inch thick.

It only remains to be stated, that in order