## DESERET EVENING NEWS: SATURDAY, SEPTEMBER 15, 1900.

# Lightning Express of the Sea, The Torpedo Boat Destroyer.

S PURRED on by the nocessilles of modern warfare, naval engineer-ing has progressed by leaps and the century navy composed of the vertices and battleships. With a fleet and the Cushing, were at all efficient, and could by doing their best make as bounds, finding its culminating fastest destroyers in the world. The after them, capable of doubling their high as 34 knots an hour. The Spanishbounds, means in that wonderful torpede boat ambition and declared intention of speed and darting like lightning upon American war gave an impetus to our destroyer the Viper, recently inunched Britannia to maintain her ancient prestrom an English slapyard. On her trial tige as "mistress of the seas" seem hitherto known, the mightlest fleets the Spanish destroyers by the accurate

TORPEDO BOAT FOOTE

trip she made the remarkable speed of 43 miles an hour. This speed is higher by five or six knots than that attained by any craft ever built and marks the Viper as the fastest boat affost. The nearest approach to it was by a sister vessel, the Turbina, by the same destener and of the same type, which, when tested three years ago, held the then unprecedented record of 40 miles

an hour These ships are engined on the "turbine principle," so called by its inventor, the Hon. C. A. Parsons. The eld time "reciprocating motion," or the backward and forward motion in a straight line of the piston and piston rod, is absent, the steam acting directly

use of rapid fire guns did not give us an exalted opinion of that class of vessel. Still, at the end of the war we had 11 torpedo boats and destroyers in service, and in October, 1898, after lengthy discussions in congress, orders were placed in American shipyards for the construction of 12 torpedo boats and 16 destroyers, with a guaranteed speed of 26 knots for the former and 30 for the latter.

The average length of the new destroyers is 245 feet, beam 22 feet, draft sumntive heir to the British throne, 6 feet 6 inches, displacement 420 tons, could not rightfully succeed to the indicated horsepower 5,000 and cost dukedom of Saxe-Coburg, and so from \$280,000 to \$290,000 each. The tor, waived all his rights conditionally to pedo boats average 175 feet in length, 17 his brother Alfred, duke of Edinburgh. feet beam, 5 foet 6 inches draft, 165 tons The latter's son, Alfred, died in 1898, displacement, 3,200 indicated horsepow. and on the death of his father. In July

nest I of Saxe-Coburg and Gotha, Queen Victoria's late husband, if he had lived, would have succeeded as ruler of that little state in Germany, but, as it was, when his elder broth-

THE NEW DIKE OF SAXE-COBURG.

By the evolution of a curious chain of ircumstances another scion of British royalty is provided for. He is Charles Edward, eldest son of the late Duke of

Albany, Queen Victoria's youngest son.

er. Ernest II. died, a few years ago, the succession devolved upon the Prince of Wales as Prince Al bert's son and

As the younger son of Duke Er-

heir. The Prince of Wales, as preof this year, the succession devolved, through an act of renunciation, upon the only son of the late Prince Leopold who was already Duke of Albany, Earl of Clarence and Baron Arklow in England. He is in his sixteenth year and is to be under the guardianship of his cousin by marriage, Prince Hohenlohe-Langenburg, until he is 15, when he will come into possession of his little sovereignty and private estates worth 2500,000 a year.

#### MINERALS IN PERUVIAN SOIL.

The soil of Peru contains the largest number of minerals of any known country. At Pluria, in the north, petroleuro and sulphur; sliver, lead, copper and coal in the great mining basin of Cerro de Pasco, in central Peru, and phosphate, quicksilver, auriferous grounds and borux at Arequipa, in the south. At the present time the number of mines being worked is 2,500, employing 70,000 workmen.



However irksome the brave Boer general, Cronje, may find life at St. Helena, his latest portrait shows that exile and the restriction of his freedom have not disagreed with him physically. And, besides, he has the excellent companionship not only of his devoted helpmeet, but of Chaplain and Mrs. Albertyn

There will probably be no necessity, for restraining the Hoer as long as Napoleon was held captive at St. Helena, and as the island has a fine climate grand scenery and many attractions, it would seem that a worse fate might have befallen Cronje than banishment to a solitary island in the midst of the Atlantic, especially in view of what has transpired in South Africa since his surrender.



One of the almost insuperable objections of the Chinese to the introduction of railroads and improved means of transit is that it will throw out of employment thousands and even millions of coolles who have no other means of earning a subsistence than by serving virtually as heasts of burden.

The roads in general are so poor throughout China that most of the travel is performed in palanquins borne on poles by the coolies, who carry their burdens cheerfully over the worst of highways and trails where it would be impossible for a wheeled vehicle to pass. A group of these human horses is shown in the illustration, one set having in charge a traveler's palanquin and another his luggage, haited by the roadside for the noonday rest.

A CONTORTED VEGETABLE. A red radish that fied fiself into a

argument. If it



of London recently "snapped" no less a personage than Lord Alversions, what

months ago appointed master of the rolls and raised to the peerage, Hewas formerly known as Sir Richard Webster. In his wig and robes of office Lord Alverstonelooks like a venerabla man indeed but divested these official

fripperies he appears to be a man in the prime of life. He was born in 1802 and has one of the largest practices in England, having won wide recognition for his great abilities.

The product of the Newfoundland cod fishery runs as high as \$3,500,000 in good years.

TEMPLE IN A CHINESE VILLAGE.



be rotated. The Parsons stearn turbine, or rotary engine, which has caused this

revolution in marine locomotion was first applied to ordinary dynamics in 1884. The Turbina was the first yessel to be fitted with these turbine engines and excited the admiration of the British admiralty to such an extent that a torpedo boat destroyer was instantly ordered to be constructed along the same lines, and the result was the tions



certain to be realized in view of this affoat are reduced to so many impotent Viper, which far exceeded all expecta- gathering of modern sea serpents, with masses of steel and iron.

the average torpedo boat destroyer, be- world.

breadth of 21 feet and an extreme depth af 12 feet 9 inches. She has the custom-limit in these boats, for their designer with boats of their character, if not of But, while ary gun and torpedo armament of ves- has already suggested the construction their speed. There is no doubt whatsels of her kind and carries two dis-tinct sets of engines on each side, di-ship that shall cross the Atlantic in we are hopelessly outclassed in this rerectly couple! to the screw shafts, three days, with an average speed of spect, even though it is less than two which are four in number, with two 44 knots-about 50 miles-an hour.

propellers on each shaft, or eight in all. The astounding developments of this struction of 16 of the largest torpedo marine and torpedo warfare, does not Since the Viper was sent out another new system of engining warships will boat destroyers then known, several of forge ahead and successfully compete were not known to the contrary, it rotary engined vessel-the Cobra-has compet all the powers of the world to which we have already launched. been launched and accepted by the revise their naval lists and discount Six years ago we had but three torpedo naval supremacy.

ALTAR OF SACRIFICE, TEMPLE OF HEAVEN, PEKING.

The Viper is somewhat shorter than infest the navigable waters of the Bull in securing these 40 mile destroyers as naval auxiliaries, it might ing only 210 feet in length, with a It is not believed that marine engl- be well to glance briefly at what our

years since congress ordered the con-

HAY FOR THE HORSES IN CHINA.

This illustration shows how bay for

the horses of the Indian contingent in

China was transported and served out

to the animals. It was carried in nets

stuffed solidly full, and the chief business of the attendants was to see that

There is an abundance of fodder and

coarse food in the country, if only they

each beast got his share.

alculated to give them a steaming ra- | knot is one of the latest freaks dius of 3,500 miles at about 14 knots, or vegetable world. Just how it did it has of 1,000 miles at their limit of 30 knots, not been determined to the satisfaction

When the contracts for these vessels were signed, two years ago, England's best boats of the kind made but 30 knots, which was regarded as "tremendous speed," and ours were intended to be the "best and strongest in the world." - Two short years elapse, and itself a success, and in a moment the Americau destroyers are left laggards

was placed at 140 tons each, which was

But, while in a measure outclassed, the Yankee boats are at least equal to hundreds of others in Europe, and It will be strange if the United States, the home of David Bushnell and Robert Fulton, the practical inventors of sub-

with its sister powers in the race for might be thought that it had had the benefit of human assistance.

SPECIMENS OF CHINESE SCULPTURE.

of the bucolic philosophers who discovered this curioslty and are still ruminating over the question. Whether the radish started for daylight and then changed its course through outside influnce, such, for instance, as a wandering mole. or did it all by itself, is open to

> With several religions and a multiplicity of gods, the Chinese are also blessed with innumerable temples. Not only are there great structures dedicated to Buddha, Confucius, the god of agriculture, heaven and to every minor delty it is possible to conceive, but there is at one place a "Hall of the Three Religions," in which sit, enthroned, Confucius, Buddha and Lao-Tse the founder of Taoism, and in another a "Temple of All the Gods."

> The village without its temple is regarded as beneath contempt, and there are sometimes so many houses of the gods that the people cannot support them and their attendant priests, so they fall into decay, like the one figured in the illustration, and are used for other purposes than worship. Sometimes they become the abodes of bands of ruffians, and then are occasionally sealed up by the more respectable members of a community to prevent descration. They are also used as storehouses for those magnificent and bulky coffins which the Chinese delight to buy in advance of their demise and as receptacles for paper images of animals which are burned at the graves of the departed for their use in the world of spirits.

## TEHERAN'S BRILLIANT HALL OF LIGHT.



In the royal palace of Persia's capital, Teheran, is the grand salon shown in this illustration, which is known as the "Briillant Hall of Dazzling Light. It is the shah's show salon, and he is always on the lookout for new and beautiful objects with which to adorn it

Much of its impressiveness is due to the great contrast between the exterior and the interior, for, like most of the structures in Persia, the royal pal-ace is made mainly of mud-what the Mexicans would call "adobe." Its walls are of immense thickness because here a stone are of immense thickness, however, and serve better than either wood or stone to keep out the fierce heat in the summer, when many residents of Teheran, including the great shah himself, go out to eamp in the fields.

### FACTS FROM EVERYWHERE.

This illustration shows the great altar for burning sacrificial bullocks in the Temple of Heaven at Peking in honor of the supreme delty, Shang-Ti, or lord of heaven. The picture was obtained by stealth, as the inclosure within the Chinese City of Peking, where stand the temple of heaven and temple of ag-

The sacrifice of burnt offerings is not generally practiced by the Chi-

nese, for it is not particularly enjoined in any one of the three great cults. Buddhism, Confucianism or Taoism. It is thought to be of more ancient or-igin than any of them, and indeed to be older than any form of worship now

observed anywhere else in the world except among the very oldest peoples or

nations. When a former emperor of China was married, in 1872, bullocks were

burned upon this altar, and it has been the custom from time immemorial for

the Chinese emperors to offer midnight sacrifices here at the time of the spring

story, for the imperial guard was instructed to cut them down at sight. Even

when some of the visitors to Peking have desired to see the outside of the temple they have been obliged to bribe men to let them down from the top of the

surrounding wall by means of ropes and haul them up again at the approach

Few outsiders have ever witnessed such a ceremony and lived to tell the

lectric motors.

of the guards, who would have killed them on the spot.

riculture, has been closed to foreigners for many years.

is believed that that country is more

and winter solstices.

Tea leaves are now dried electrically. Stock Exchange. The brokers now find Tea leaves are now dried electrically. Stock Exchange. The brokers now and Market gardeners protect their trait sonage in the out of active states and wires-Pollak and Virag's apiece in the last London season. Romands all the year round, therefore it west end restaurants in the lunch hour, their walls or fences.

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Venetian gondolas are now driven by | underground road has been to cut down |

and its capital.

In South Australia a mine of natural Paola in Naples.

Domenico Morelli, the greatest of liv- ing the sins of the deceased.

belts around the men and the harness in majolica, and the tablet will be set Arundel of Wardour, who bought it in almost a third as fatal as the battle- portraits from the Peel collection

Market gardeners protect their fruit sonage in the old Gaelic style of fu- sum, said to be \$20,000.

up in the Church of San Francesco di Rome for \$25. The painting turned out field, for of every 1,000 miners 23.2 are which sold for \$121,250. Four portraits to be by Carlo Crivelli, and has just killed every year in the performance of of the Arundel family, by Sir Joshua the receipts of vestaurants near the india rubber has been lately discovered. The "sin cater" is an important per- been sold by the college for a large their work.

of bread and a jug of beer, represent-ing the sins of the deceased. Some years ago it was the charlotte Perse was strip," with not a white-settler in all its

Reynolds, were sold in one lot for \$57,-

s believed that that country is more feserving than Japan of the title 'Flowery Kingdom.'' One offect of London's new electric river. They are to be fastened to the gherita. His work will he reproduced presented to it 70 years ago by Lady



It has never been claimed for the Chinese that they have made great progress either in the arts or sciences. Pictures without perspectives, sculpture crude and out of proportion, primitive inventions seemingly arrested when half conceived, constitute the sum and substance of their attainments along these lines.

But at the same time the architecture of the Chinese is splendid in a an be made available, but in the exhalf barbaric way; their work in porcelain, bronze and lacquer is beautiful cited condition of the masses during the latest insurrection these supplies were and famous, while their sliks have long been celebrated.

Their wood and ivory carvings are unique and suggestive of extraordinary skill, while there is one noteworthy group of their sculpture that redeems them not to be depended upon Consequently he commissariat was at its wits' ends from the charge of lack of originality. This is the wonderful highway of provide adequate subsistence, even camels and elephants which leads to the tornbs of the Ming dynasty, norththough there were vast fields of rice. ward from Peking, Colossal figures, standing and reclining, stretch as far as the eye can reach and carry the mind to the works of ancient Egypt as the only and millet between the coast of China objects with which they can be compared.