DESERET EVENING NEWS: SATURDAY, APRIL 23, 1904.

## The Opening of the Greatest of All World's Fairs

noon, Si. Lovis time, which starts the ma-

century civilization.

The principal ceremonies incluent to commemoration of an event which re- one of the great exhibit palaces, the formal opening of this latest and sulted in spreading the sway of lib-

IEN President Roose- tract fourteen states and territories | stage by reason of her war with Rus- | presses the joy of the American people | twenty-eight acces. Beyond the Apoth- | ment at a cost of \$500,000, which is | And yet there is still an exceedingly

velt, sitting at his have been carved. Even the smallest sia, has spent \$1,000,000 in spite of her at the extension of the domain over eosis of St. Louis is seen the grand pronounced to be the most imposing important part of the exposition to be desk in the White and least populated of these subdivi- enormous war expenditures in order to which the Goddess of Liberty holds formal entrance to the exposition, House, on April 30 at House the vast Agricultural building ever erected by 1.600 feet long; the Horticultural building fer and sloping down over known as the closure, and to the east exposition building ever erected by 1.600 feet long; the Horticultural building price asked by Napoleon 100 years ago ed. Although one of the smallest world the green terrace lie the cascades, the that unique feature called the model for the entire vast domain now form- powers is fighting the largest world water bursting from a hundred jets and city, while to the west and extending pushes the button ing so important a part of the republic. power, the little kingdom of the Pacific bounding merrily over the spillways, for a mile toward the western end of Gathered within the scope of vision may be said to be leading all the na shimmering in the sunshine by day and the grounds lies the Pike, with its mulchinery of the great from the point where these exercises | tions in her display at the St. Louis ex- at night scintillating in the reflection titude of wonderful and interesting world's fair of 1994 he will set in mo- are to be held are several hundred position. She asked for more space of a myriad of artificial lights. Again, amusement features,

the beautiful Government Fisheries not to mention the live stock display, building in the style of a Pompelian the camping grounds, the New Jerusaworld's miniature world which symbol-d'on a miniature world which symbol-d'on a miniature world which symbol-then most impos-than any two other foreign govern-in front of all this scene of splendor The designers of this exhibition spent villa. Still higher up the slope on lem, Fraternal temple and the hunton a miniature work and mar-ing and beautiful, created so that here we accomplishments of twentieth velous accomplishments of twentieth the r ations of the world may display their progress and take part in the complication. which the government building stands | dreds of interesting things on the Pike. their progress and take part in the exhibits are outspread in nearly every cascades to the Louisiana purchase gether and yet within the 1.340 acres monument and reflecting in its waters comprising the exposition site give ani- the structures on the plateau of states. the great World's Columbian exposi-Standing at the foot of the lofty Lou- the columns, arches and sculptural ple scope for the display of every novel This plateau extends for a half mile to tion at Chicago and nearly four times the format open of world's fairs will be held at erty from the Atlantic on the east to island purchase monument, designed by groups of the Palaces of Education and achievement of science and every prod- the southward, and here most of the as much as the Paris exposition of

is the state building of Missouri, one of It is indeed a vast enterprise, covthe most imposing and elaborate of all ering nearly twice as much space as bigness that the Louisiana Purchase exposition makes its appeal to the public. It is going to be worth going to see and worth making quite a sacrifice to go to see because it is to be so beautiful and so instructive. It is an exposition of life and motion, of

and architecturally meritorious of any visited-the vast Agricultural building,

the United States government. It ing, Forestry, Fish and Game building,

stands on the slope of a hill, command- refrigeration plant, the large tract de-

ing a fine view of the whole world's fair voted to the Philippines display and the

city. Not far away to the southwest is | many out of door ethnological exhibits,

processes, of things in the making as well as made, and for this reason is quite different from all expositions of the past. It is the latest and best exemplification of the world's progress all the fields of art and industry. It is an education in art and science and industry, a university for the people and at the same time provides multitude of things that are full of lelight and fascination. By day it is picture upon which the eye loves to dwell. By night, with an illumination far surpassing in novelty and beauty anything before achieved, it is fairyand itself. But words are weak when t comes to picture such scenes. Some one has said "See Naples and die." It were better, far better, to see the world's fair at St. Louis and live years afterward to enjoy in memory its inspiring visions of beauty.

ARTHUR W. CEPHAS.

### ROBBED BY A HARE.

A farmer in France recently had the misfortune to be robbed of no less a sum than 765 francs (\$150) by a hare. Though this sounds somewhat like a fairy tale, it is nevertheless a fact and occurred in the following manner: The farmer, who had been to a neighboring town and sold a horse for the above named sum, was on his way home when in passing through a vineyard he saw a fine have which had been caught in a trap, evidently the work of some poachers. He at once took the hare from the trap with the intention of making a meal of him. But though he had caught his hare, he was far from cooking him. The poor animal made fiantic efforts to get free, so the farmer drew out his pocket handkerchlef to tie it up. He had just succeeded in fastening one leg when the hare made a last bold hid for liberty and managed to slip from his captor's grasp. In a trice he was off like the wind, bearing the handkerchief with him, and the farmer was left lamenting, for in a corner of that handkerchief he, after the fashion of country folk, had tied the notes for 765 francs which he had re-



the base of the splendid Louislana pur- | the Pacific on the west. The United | Emanuel L. Masqueray, with its sculp- | Electricity on either side, as well as the | uct of genius that could be obtained for | state buildings are to be seen. The chase monument. Here Robert R. Liv- States, originally comprising but thir- tural figures and groups by Karl Bitter, Terrace of States and Festival hall, the the instruction or entertainment of the foreign buildings, like those of Great the common wealths, has broadened in the found attractive landscape settings, are belind. The foundation of the full which closes the view in stands the Palace of Arts, erected at a stands the Palace of Art from the position on the north side of government. Fifty-one states, territo-the monument where they will be ries and possessions are represented in cascades profusely adorned with crea-the north side of painting and sculp-the monument where they will be ries and possessions are represented in the transformation of the buildings in the cen-taining treasures of painting and sculp-the north side of the buildings in the cen-taining treasures of painting and sculpgrouped. These states men of 100 years the exposition which celebrates the tirus from the skilled hands of re-ago, brilliant and farseeing as they first great step taken in the expansion rewried sculptors, all aiding to interare placed eight main exposition palof the exposition. ture worth many millions more. Now let the spectator turn to the aces, which, with their general similar-But before we leave the westernmost were and much as they valued the ter- of the borders of the United States. pret the sentiments and emotions boundary of the site another notable northwest, facing the city of St. Louis, ity of architecture, their sculptural ritory transferred from France to the More foreign nations have joined in which seek for expression on such an where this splendid commemoration of treatment and their landscape setting. a great 'event in history is to be held, form a picture of harmony pleasantly United States by the signature of the this assemblage of displays from all occasion as this. In the center of the Louisiana purchase treaty, could not in over the world than ever before took colonnade the Hall of Festivals, with He looks across the plaza of St. Louis, combined with variety. In this group, their wildest dreams have imagined the part in a similar enterprise, while Ja- its classic columns, its sculpture on the farther side of which stands the besides the four palaces already menchange which a century would witness. | pan and China, the two greatest nations | crowned fome and its many approprimonument called the Apotheosis of St. | tioned, are those of Liberal Arts, Mines The price asked by Napoleon for this, of the orient, are represented on quite ate plastic decorations forms the key-Louis, by the eminent sculptor, Charles | and Metallurgy, Machinery and Transterritory was \$15,000,000, and here a an unprecedented scale. In fact, Chi- note of the grand and beautiful compo-A. Neihaus. On either side are the portation, the last named being the tures are known as the Administration idling in the road nearby. All this is century later come hundreds of thou- na's exhibits at the St. Louis world's girlon. Extending on either side and Palaces of Manufactures and Varied largest of the eight central structures. sands of people to witness the opening fair-her first official representation in terminating at each end in ornate pa-Industries, housing under their ample 1,300 feet in length and covering nearly Managers' building, Jefferson Guards' of ordinary white corn. It is necessary of an exposition of worldwide extent, any universal exposition, by the way- vilions, the semicircular colonnade, with roofs more products of the world of sixteen acres, including over four miles costing as a whole in its production are in themselves worth crossing the life fourteen seated statues, emblematic industry than were ever before as- of railroad track. To the southeast of the exposition. In this part of the it is drawn with perfect accuracy. It from three to four times what the continent to see. Japan, that wonder- of the states and territories of the sembled under similar circumstances, this central group and toward the city grounds, too, are the great aeronautic does not cover a half inch square, and each building having a length of 1.200 of St. Louis one finds the building concourse and the arena for athletic it is in many respects one of the most United States paid for the original ter- fully energetic nation which now oc- original purchase, typifies the imporploy of Louisiana. Out of this great cupies the center of the international tance of this victory of peace and ex- feet and the two covering an area of erected by the United States govern- contests.

away, leaving never a trace behind,

LANDSCAPE ON A GRAIN OF CORN

A Flemish artist has produced what is said to be the smallest painting in group of buildings is encountered, the world. It is a picture of a miller These are of granite in the Tudor style | mounting the stairs of his mill and of architecture, costing many hundreds | carrying a sack of grain on his back. of thousands of dollars, and after the ex- The mill is depicted as standing near a position are to be used by the Washing- terrace. Close at hand are a horse and ton university. At present these struc- cart, with a few groups of peasants building. Hall of Congresses, Lady painted on the smooth side of a grain building and Physical Culture hall of to examine it under a microscope, and I remarkable art products of the day,

# Scientific Precision Needed In Modern Naval Gunnery



this true of the naval end of the contest. The more skill, accu-

he credit due to, a commander like Togo. But no admiral, even though he

be a Nelson, can win battles with an inefficient crew. Strategy is a powerful aid, but good marksmanship is an absolute necessity.

Gunnery, and naval gunnery pecullarly, is now as much of a science as is astronomy. It depends upon instruments as nicely adjusted, on mathematical formulas as intricate, on calculations as exact. But the science of haval gunnery contains elements of difficulty that do not enter into any other science. Peril, the need for lightbinglike rapidity, unforeseen contingencies and numerous other disturbing factors are encountered that make an added need for exactitude while preventing its being secured. For example, the roll of the ship, together with its pitching fore and aft, the constant change of position of the enemy's vessel at which the fire is directed, the influence of the wind on the projectiles, the difficulty of finding the range which in action is constantly changing, the drift of the shell caused by its whirling motion, the trajectory or fall of the projectile which is influenced by the density and barometric condition of the atmosphere, the jump of the gun at the instant of firing, the possible defects in the sights or in the timing of the discharge, the variations in the quality of he powder and the danger of a hang fire or it. premature ignition of the charge-all of these variable elements must be taken into consideration. In the sole fight off Santiago It is estimat-

ed that only about 10 per cent of the American shells took effect and possiby not more than 1 per cent of the Spanish shells. It is well high impos-

use in the Japanese navy, it is neces- gun by constant firing may cause this, sary to have them heavy enough at the or a ball may become lodged. In the racy, training and breech to withstand the enormous ex- latter case the result is usually to blow science developed in plosive pressure. One of the first es- off the muzzle, which is outside the he fighting crews of a fleet the more sentials in the manufacture of all arms ship, and has no more serious consetertain is that fleet to win victories. is to insure the operators' safety. Even quences than to put the gun out of ac-The fact that the Japanese have shown a suspicion that a gun is unsafe causes tion. In firing it is necessary to have

themselves to possess these essentials apprehension on the part of the gun- the breech closed, which is usually done has given them all the advantage thus ners and detracts from their efficiency. by automatic arrangement, a safety apfar gained over their larger foe. In no Because of the new conditions con- pliance being provided that makes it sense does this statement detract from stantly arising it is essential that the impossible for the charge to ignite so men at all times have their wits about 1 long as the breech remains open.



## DIAGRAM SHOWING THE PENETRATIVE POWER OF MODERN PROJECTILES.

them, for the effectiveness of the fire ; The trajectory, or curve described by depends in large measure on the indi- a shell after leaving the mouth of the less than seven miles. The shells, of by an automatic arrangement after the the projectile. Allowance is also made unknown to him, he is said to have vidual initiative and resourcefulness of cannon, varies with the weight of the course, can be thrown for a much projectile has pierced its way into the jump of the gun. All these been physically robust and suffered the crew operating the guns. Men will projectile and the muzzle velocity. If greater distance. One from a nine inch enemy's ship. To so contrive these things must be done in an instant of from no illness until the attack of croup ship in an average naval battle for a much more readily face death at the the firing were done in a vacuum the gun has been known to travel twelve that they do not explode upon impact time. Then as the vessel rolls upward which ultimately proved fatal.

DERN wars are won higher percentage of efficiency to be hands of the enemy than they will the i degree of this curve, then controlled by miles, the trajectory being over 21,000 is a very difficult matter. Herein is, till the sights are on the ship of the by the men behind the reached than the Yankee gunners peril of unsafe weapons in their own gravity alone, would be easily deter- feet, or more than two miles higher another illustration of the science used foe the charge is set off. The first

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TRAJECTORIES OF SHELLS AT VARIOUS DISTANCES.

VARDS TARDO YATTOS YATTOS YATTOS YARDS YARDS YARDS YARDS YARDS YARDS

hands. The danger of explosion is inined. As the resistance of the air than Pike's peak if the gun were fired in the construction and operation of shot is largely experimental. After ob-In making the modern monster twelve great, even with all the precautions also operates, the calculation becomes from the adjacent plain. A thirteen modern ordnance, serving its effect the gunners can tell inch guns, a number of which are in taken to avoid it. The heating of the much more complicated. The accom- inch shell would travel a still greater i The scene on board a battleship in better where to aim the next. Allow-

ances must be made for the constantly shifting positions of both ships. The difficulty is also much enhanced unless smokeless powder is used by the smoke constantly enveloping the vessels after the real fighting begins. Amid a very hell of bellowing guns, bursting shells and groans of the wounded on decks slippery with the blood of the dead and dying, the battle goes on till the great iron monster of the foe reels and runs for shore or sinks into the seathat is, if the aforesaid monster does not succeed in sinking your own ship first. WALLACE O. WILCOXSON.

### HIS REVENCE.

A daring Dutchman recently had the temerity to call a constable a monkey, form of untruth which is not permitted in Holland. He was arrested and on being brought before the judge charged with "Insulting the police" he was sentenced to forty-five days' imprisonment. Before being removed he turned to address the court. "Then I musta't call a constable a monkey?" he said. "Certainly not, You must not insult the police." The culprit reflected, "May I call a monkey a constable?" he asked, with a flash of genius. The judge sbrugged his shoulders, and, holding no brief for the animal, he replied, "It it gives you any satisfaction." With a smile of gratification, the and bowed to his prosecutor. "Good

#### STRANGE DIET.

A young man of twenty-two-Emile shown by the heavy shading at the end tance of 3,000 yards, or nearly two announce the distance of the energy's at Montreal during the whole time of of the shell's path. It will be seen that miles. The smaller shells, of course, ship at which the shots are being dithis diminishes with the longer ranges, have much less penetrative power. rected, instantly the sights must be milk and sugar. While still a child he due to the lesser velocity of the pro- All shells are meant to explode where set for this range. Allowance must be was medically placed upon a milk and jectile and the greater angle at which they will do most damage to the enemy, made for the drift of the shell at that sugar diet, and this he continued un-it strikes the target. In practice the Shrapnel bursts in the air, being ex- range. If a wind is blowing it must changed to his death, presumably from distances at which battles occur are ploded by time fuse. The shells shown be gauged and a wind chart consulted choice. His daily rations were three usually from two to four miles. The in the illustrations are of a different as to the amount of deviation such a pints of milk and one pound of sugar. greatest range here shown is a little variety and are intended to be set off gale would cause on the direction of Although solid food was thus a thing

## ALL AROUND THE WORLD.

record at which a man's voice has a place of sheepskin, acting as the August and another of thirty-three tion of the system of dry sweeping and eminence, such as a step, in order that every afternoon. Beyond a short daily been interpreted as compensation for been heard. This occurred in the Grand sound board. The finger board is formtanyon. Columndo, where, a man shout- ed of a human thigh bone, while the There are, in addition, three single days be in washable materials. "if the name "Bob!" at one end, his pegs were once the small bones of the of fasting.

London consists of the greater part of which, however, lasts forty-eight days been sent to the various railway com- King Edward is not so tall as many Sir Henry Irving attributes his won- live ten to twenty years. The wild forbidden by the Mussulman religion

instead of forty, they have three short- panies ordering the immediate removal people imagine, and whenever his maj- derful health very largely to his inva- goose lives upward of a hundred years, er periods of fasting-one of nineteen from railway carriages and stations of esty is photographed in a group he is riable custom of eating a heavy supper and swans are said to have attained the Lighteen miles is the longest distance a human skull, over which is stretched days in June, one of fourteen days in all nonwashable carpets and the cesas- invariably put to stand on some small at midnight and taking forty winks age of 300. The long life of birds has

was blainly heard at the other hand of a South African native, The French minister of public works change in their names on marriage as majesty wears boots with high heels, eighteen years. Ravens have lived for gantly dressed dolls to a European mu-A viole is eighteen miles away. A viole owned by a resident in north baden consists of the consists of the consists of the constant of the burnes of the burnes for barrington, whose feet eight and one-half inches. A viole owned by a resident in north baden consists of the constant of the burnes for barrington, whose feet eight and one-half inches. A viole owned by a resident in north baden consists of the constant of the burnes for barrington, whose feet eight and one-half inches. A viole owned by a resident in north bas taken up the question of sanitation in railways carriages. Circulars have and parrots longer than that. Fowls representation of the burnes for barrington, and parrots longer than that. and, which is eighteen miles away.

Few ladies have made so slight a

cleaning. Even carriage seatings are to he may compare as well as possible stroll in company with a favorite dog, the great mortality of their young,

with those about him. In his stockings he takes practically no exercise, The sultan of Anjouan, in the Comoro he is just five feet seven inches. His Small singing birds live from eight to Islands, has just sent a selection of ele-

curve described by a twelve inch shell is impossible to secure accuracy of alls, such as to bring into play every in-fired at ranges varying from 1,000 to and the damage inflicting effectiveness man emotion. But among the conflict-12,000 yards. The curves in this cut of the projectile is much diminished. Ing sentiments perhaps the predomiare on an exaggerated scale, being The other illustration shows the pen- cant one would be that of wonder at prisoner turned on his heel in the dock many times as great as those actually etrative power of shells of various sizes. The cool and systematic, though lightdescribed-that is, the culminating or The twelve inch shell, which will pass ninglike, movements of the firing crews, day, constable," he said. highest point reached by the projectile | through forty-two and one-half inches | This wonder would be increased in proin each case is many times as high in of wrought from at the muzzle of the portion as the specialor understood the the diagram as it is in actual firing. gun, pierces only fourteen and one- difficulty of the work. First, the range The danger space in each instance is half inches of Krupp steel at the dis- finders must continually determine and Trazeau by name-who died recently