## DESERET EVENING NEWS: SATURDAY, APRIL 13, 1901.

## UNCLE SAM AS A BUILDER OF IDEAL ROADS IN PORTO RICO

There never was a period in Porto ment was secured on a firm basis and tenance of roads was adopted. This F I were asked to venture an opinion as to the greatest work of the Rico's history in which the average na- outlined a comprehensive scheme of op- consisted in having, first, an engineer United States government in this live received so much for his labor, erations. American occupation here in charge of the whole system. Under island of Porto Rico, I should un- when disposed to work, or indulged in may be said to date from October, 1898, him were 3 assistants, 9 overseers, 16 island of Porto Rico, I should un-hesitatingly say that it was in road construction. Having but recently ved in this city from an extensive

arrived in this city from an extensive brought about mainly by the universal as captain general, and by a "general completed permanent road, which he trip around and over the island, I feel distribution of "dinero" through the order" reorganized the control of pub-qualified to give such an opinion, more building of roads. The island had lie works so as to carry on the plans of order. especially since I can compare the re- roads, of course, before the advent of his predecessor, the late General Henry, Wherever one may go in France or in sult of my observations with another the Americans and possessed one of the All harbor work, lighthouse construc- any French colony he will find the di-similar journey taken in antebellum finest in the world in that magnificent tion and repairs, buildings and bridges minutive dwellings of these "camine-

similar journey taken in antebellum times. We hear a good deal about the "poor We hear a good deal about the "poor Porto Ricans" and what they have suf- countries, including Cuba and old Spain V. Judson, United States engineers, as "beat," which he is obliged to keep confered on account of the change from itself, but never in my experience have president, with whom co-operated an- stantly under supervision, or seated be-Spanish to American rule, even that I encountered anything to compare other American and a Porto Rican. The side a little heap of stone, which he

great hurricane of two years ago being with that glorious "King's road" over charged against our United States the mountains connecting the two larweather bureau, coming as it did right gest cities on this island. The Span iards are not celebrated as road buildon the heels of American occupancy.

EARTH EXCAVATION

FOR NEW ROAD.

It was the worst the Porto Ricans had suffered in a century, and as the Americans had just ousted the Spanish rulers and taken charge of course (so the native reasoned) the Americanos were responsible.

This is about as reasonable as any grave charge that has been brought against the present regime, which, if anything, leans toward the native raththan the man of foreign birth. "I have no use for these Spiggotys," said an American officer to me the other day, "for they are never satisfied. We fed them for nearly a year, and they got so lazy that hardly any of them would work for pay. We advanced money to sufferers from the hurricane, and now they demand a loan from the United States, without interest, and to be repaid some time in the sweet by and by. In order to provide labor for the starving inhabitants of the interior last year and year before we opened roads and renovated the old highways, and the result was that two of our paymasters nearly died of nervous prostration."

What this officer said is true. natives have been quite spoiled by Un-cle Sam, acting in his capacity of benefactor of the Porto Ricans. But, again, perhaps the initial distribution of aims on a large scale was unavoidable, for there was hardly a garden patch or plantation that had not been wrecked by the hurricane or despoiled by the retreating Spaniards in 1898. And it is greatly to Uncle Sam's credit that as

hard silver dollars.

soon as possible he changed the method | ers, but, on the contrary, are famous as | of administering the funds from an road destroyers. Take Cuba, for ineleemosynary system to a practical ba- stance. When the Spaniards left that sis of work. Wages were doubled at Island, there was hardly a road fit for once, and then the natives struck for-higher rates, having imbibed American vana or Santiago, and the streets of great work by organizing it under five

ideas with astonishing rapidity. Then those eitles were reeking with filth and sections-roads, lighthouses, harbors, came the hard times temporarily re- rank with evil odors. sulting from the transition from Span-| But we Americans cannot boast much subdivided the section of roads-the ish silver to American gold, the changes of our own good roads, for it is well most important after lighthouses and

ways and completing a long desired link in the chain of improvement connecting the different sections of the pounds; coffice, 50,000,000 pounds, and United States. The total area of Porto tobacco, 6,000,000 pounds, besides vari-Rico is only about 3,600 square miles, and of this the cultivable coastal plain above 250,000,000 pounds. occupies but a relatively small portion. GEORGE M. ETHNARD. The interior is made up of high hills and mountains, some of the latter ris-San Juan, Porto Rico. BREAKING STONE ing to above 3,000 feet, making the proc-FOR FIRST COURSE. ess of road construction the most difficlaiming to be a Cuban deserter he obcult imaginable. The island's coast line is about 270 miles, along which are located at intervals such ports as San Juan, Arecibo, Aguadilla, Mayaguez, Ponce, Arroyo. Humacao and Fajardo. As the sea is remained and and of course the cheapest highway and colonelcy of the Twentleth Kansas, he many coasting vessels as well as steamwas sent to the Philippines the limits buildings and accounts. It then further ers afford quick and regular communiof his ambition might seem to have cation between ports, the most benefibeen reached. While in San Francisco, cial scheme of road building would be en route for the Orient, he "did himself in the fariff, etc., which for a time de-i known that they are almost ponexist- harbors-into su one to bring the places and products of the rich interior into communication ter of California after three weeks proud" by marrying a beautiful daughmoralized the native and made him sus- ent. If our government would pay half design, construction and maintenance with the coast. This has been the con- courtship, and his devoted wife followed picious of Unele Sam's ultimate inten- the attention to building roads in the and put in charge of each section a tention, which events have proved to be him to the Philippines, where she is He has, however, at last re- United States that it is doing in Porto competent engineer. NEW ROAD correct, of the American engineers. A still with him, to share the perils and sumed his normal condition, which is the Rico, the land would be appreciated. One point in this masterly scheme TO ARROYO. happy go lucky state in which Adam through increased facilities for travel, ought to be noted in the United States, railroad was projected years ago which, the rewards of his campaigns. and Eve are supposed to have existed beyond all calculation. Taking that as it shows the importance of an order-"before the fall." His children run same "King's road," the "camino del ly and comprehensive arrangement at about in a state of "nature unadorned" rey," as a model—and it was worthy the outset, as well as the great value of starting from San Juan, was to com-While the incidents already mentionpletely encircle the island and connect ed may read something like comparaall the ports and some of the towns not tively ancient history, all the world-at delightful to experience if not to be- this high distinction-the army engi- utilizing the services of a trained corps far distant from the coast; but it was least the American part of it-knows of hold, and his wife and himself revel in neers under direction of the late Gen- of superintendents such as the United never entirely completed. As the conhis famous deeds in the Philippines. hitherto unattainable "pesos" or good, eral Henry commenced operations im- States engineers. The French, which is breaks up for distribution in holes and every road is always under repair, and cessionnaires were to get a certain sum What he had already done would seem mediately after the American govern- also the Spanish, system for the main- hollows wherever needed. A portion of when the "metal" is newly applied the for each completed section, regardless enough to suffice any ordinary ambition, but early in May, 1899, scarcely two years ago, all the papers of the country burgeoned out with the details of exploits that put his other achieve ments into the shade. He and his Kan-Brigadier General Funston, sans comprising the "Fighting Twentieth" had been prominent in many battles, and the ranks of his regiment were greatly decimated when suddenly Colonel Funston sprang into promi-nence in front of the town of Malolos



passing vehicles are compelled to traverse it by barricades, which keep them whole road is rendered as smooth as a might leap across it. from the finished portions until the

The result of this careful construction and constant supervision is seen in the prosperity of the country districts traversed by these roads, which are enabled to get produce to market with as little at a cost of \$1.872,208. Probably onewear and tear as possible.

the United States will learn a much fering Porto Ricans more than \$300,000 needed lesson and that in the near future trained engineers will be in charge of our highways, thus making them weight of the annual crops of the island second only in importance to our rail-

of location, they built only those which were easiest. Thus you will find today a rall line from San Juan to Arecibo, a distance of about 60 miles, with various short branches leading from the capital (San Juan) to nearby towns; another short branch from Aguadilla to Mayaguez, and another running west from Ponce, where the system ends. There are gaps between Arecibo and Mayaguez and between the latter place and Ponce which are only filled by stage or private conveyance, while the long distance between Ponce, eastwardly and around the north end of the island toward San Juan, will never be completed.

The Americans, then, chose wisely for the convenience and commerce of the island when they decided to build only ransverse roads from interior points or to connect opposite ports on the north and south coasts over the mountains. Such mountain roads were very difficult to construct, as owing to their grades and the friable nature of the soil they were quickly gullied by the torrential tempests of the rainy season. In these roads, as in fact in all, the best system of construction was adopted. First, the roadbed was excavated to the proper depth, then laid with a bottom course of stone five inches deep, broken to a diameter of one and one-quarter to two and one-half inches, and covered three inches deep with an upper course of stone broken in pieces about half that size. These courses were solidly compacted by steam rollers during and after laying, and the result was a magnificent readway, durable and almost immediately available so far as it was constructed.

The numerous streams, some of them raging torrents in the rainy season, vere spanned by steel and concrete oridges, the concrete for the structures and the culverts being mixed in the immediate vicinity. The effect of the descending rivers when a hurricane is in full blast can hardly be imagined. I myself have seen an iron truss 40 or 50 feet long which had been moved more than a hundred feet during a hurricane. When I saw it, the stream which it spanned was so narrow that one

The Spanlards built before the American invasion 158 miles of road, at a cost of \$3,484,627. Since the Americans took charge they have built 123 miles, sixth of this amount was expended in It may be that from this experiment in road construction on a large scale was spent in the construction and improvement of country roads. The total which are transported over the various roads to the coast is estimated as follows: Sugar and molasses, 150,000,000 ous products, such as bananas, etc., bringing the aggregate up considerably

tained his release and was sent home by Consul General Fitz-Hugh Lee, arriving in New York in January, 1898. Funston had tried two Spanish speaking countries, Cuba and Mexico, and when, after having accepted the





BRIGADIER GENERAL FUNSTON

## HERE AND THERE.

In Chicago the metal polishers have firm and \$21.44 for every additional one. established a co-operative shop. The police of Berlin are to have a chance to make speed when it is neces-bunches in 1881 to 2,420,166 bunches in 1881 to 2,420,166 bunches in 1880 The value of the 1900 crop was a Russo-Chinese bank has been from 3,500 don are overcrowded in the tions in the eyes of the law. A Russo-Chinese bank has been from 3,500 don are overcrowded in the tions in the eyes of the law. A Russo-Chinese bank has been from 3,500 don are overcrowded in the tions in the eyes of the law. The police of Berlin are to have a chance to make speed when it is neces-chance to make speed when it is neces-chance to make speed when it is neces-sary. The city has agreed to supply the south this year. The license fee for commercial trav-The license fee for commercial travsary. The city has agreed to supply rice culture in the south this year. them with bicycles.

elers in Denmark is \$42.85 for the first caspian territory of Siberia, which sec- long time in Canada, particularly in sia but the one just opened is the first store of their completed product was opened on June 18, 1817; Southwark has recently become a fad.

tion is also rich in cotton, coal and pe-The increase in Costa Rica's exporta-

ridiculous things.

the city of Montreal. It was suppress- branch establishment in India and Cey-ed by law Jan. 1, 1901. branch establishment in India and Cey-lon. bridge in 1814 and finished in 1819, of the homestead. Those pencils today and the present London bridge in 1824. One-fifth of the inhabitants of Lon- A curious discovery was made in are in demand for other purposes than being opened on Aug. 1, 1821.

The sovereign has never been a popdon are overcrowded in their habita-tions in the eyes of the law. Concord, Mass., recently. In the attic of the Thoreau homestead was found a Here is the history of London's ular coin in India. Among the wealth-

## Hero of Many Adventures.

HE promptness with which gress (in which he has served several probation of a beautiful senorita, a President McKinley acted upon General MacArthur's sugges-Horn Funston" from his powerful voice. He got interested in the language and tion that Brigadier General In glancing over the world's list of kept up his study until he became pro-

Funston of the volunteers be heroes we shall find that there is gen- ficient long after the girl in question had

promoted to a brigadier gen- erally a discrepancy between the phys- disappeared from his ken and was mareralcy of regulars accentuates the fact lcal proportions of most of them and ried to some other man. That his that the feat he so recently performed their deeds. Somehow or other it seems knowledge of this language has served in the Philippines wins universal recog- that the smallest men are credited him well since in Cuba and in the Phil- Rio Grande river on a raft and charged nition. Even though this promotion with the biggest achievements, as wit- ippines nobody can deny. carries with it the implied command of ness Captain John Smith, Alonzo de Funston left college because he didn't the army in 1923, following the rule of Ojeda, Napoleon Bonaparte, etc. seniority, it is declared that this high Fred Funston, the "redheaded Kan- an appointment as botanist in an exrank has been fairly won by gallant sas boy," was of an independent turn ploring expedition to the Rockies bedeeds and is no more than brave Fred of mind, always seemed to know what cause he wanted to go, and his father, Funston deserves.

er Aguinaldo, was only an episode in a somewhat reckless disposition, for his ing life so well that two years later he acted upon by President McKinley. long career filled to overflowing with mother was a direct descendant of Dan- became a member of an exploring party hazardous exploits. Though General iel Boone. His neighbors didn't ap- sent out to penetrate the famous Death has been compared, and with some was about 3 years old, his parents to make a botanical report on the Yu- ulars." The result is already known. show of reason, with such gallant moved to Kansas, where he had his kon and the since famous Klondike re-

not a precocious youth, but just a good, tickets on the Atchison. Topeka and of snow, healthy, mischievous, average boy. He Santa Fe railway, in which capacity he The next year found him in Mexico conic reply to MacArthur's inquiry as stood neither at the head nor at the foot has a record for "bouncing" recalci- trying to establish a coffee plantation to his ability to hold a certain post-" of his classes in school and college, but trant cowboys who refused to pay their near the isthmus of Tehuantepec, hay- can hold this position until my regiment was the terror of all his teachers and fares. He acquired thereby a reputa- ing thus swung around the circle from is mustered out!" the delight of his merrymaking com-panions. This statement ought to be with his "gun" that subsequently stood about for some new country to con-true for it is accredited to his soldiers say that at least 99 pounds, but true, for it is accredited to his mother, him in good service. Returning to col- quer. Funston perceived what he is backbone. He leads where others who declares that, though he loved lege, he wandered through the curricu- thought might be a line opening for a follow, and his modesty is shown in his books, especially those on natural history, botany and explorations, he did ring fishing to study at any time of his patriots were fighting for existence. He when he gave all the credit to the henot care for novels, and the thought life. never entered his head that he might It does not matter much what a boy the junta in New York and set forth to were really entitled to it and who were

ecome the hero of any scene or story. studies if only he is industrious and of find the Cuban army. After some is rewarded with medals of honor. He more resembles his mother than his an acquisitive turn of mind. And what, months of hard fighting he emerged at wasn't much I did," he said. "We knew paternal progenitor, having a soft ever one learns, it is pretty sure to come Havana with a plerced lung, a shatter, the insurgents couldn't shoot straight colce, small hands and feet and being of into play at some period of life. There ed arm and a crushed hip, only to be ar- and that our boys would attend to them diminutive stature. His father is a big was Spanish, for instance, which Fred rested as an insurgent by the Span- while we were crossing." six footer who when running for con- Funston began in order to win the ap- lards and clapped into prison. By

by swimming the Bagbag river under fire of insurgent sharpshooters and reconnoitering their position. According to the reports sent home at the time, he called for volunteers that could swim, selected 20 and, holding his revolver

above his head, plunged into the stream and swam across, followed by his gallant men, with their rifles placed on logs, which were shoved in front of them.

Again, before Calumpit, with two companies of volunteers, he crossed the the main body of insurgents in their trenches, driving them out by an enfilading fire. These events occurred during see any use in continuing and secured the last week of April, 1899, and as a reward for his dash and bravery General MacArthur's suggestion, through "unston deserves. That noteworthy achievement, how-war the contrast of the learning different from ev- "pull" with the administration. This brigadier general of volunteers "for sigever, the capture of the insurgent lead. erybody else. He had a roving and was in 1889, and he liked the wild, roam. nal skill and gallantry" was prompty

Nearly two years later General Mac-Arthur, now in supreme command, ca-Funston is yet a young man, now in his prove of him because he didn't settle valley in California. The perils of the bles the president: "His reward should thirty-sixth year, he has had probably down and stick to the farm, as all his trip may be inferred from the fact that be signal and immediate. With General more strange and varied adventures brothers and neighbors did. And, by he is the only one of that party who is Wheaton, I recommend Funston's rethan any contemporary among his 76. the way, they are sticking to it yet. alive and well. In 1892 he was sent by tention in the volunteers until he can 000,000 compatriots. On this account he Funston was born in Ohio. When he the secretary of agriculture to Alaska be appointed brigadier general of reg-

The story of Funston's battles is knights as Richard Cour de Lion and first schooling and "grew up with the gion. He was too busy to look for gold, briefly told in the inscriptions on the has been called a twentieth century country." He entered college, but although he camped on the very site at magnificent \$1,000 sword presented to him by his fellow citizens of Kansas in a knight of another sort a Site With though it wasn't worth while to take a knight of another sort-a Sir Walter degree. His life there was of a desul- ed and yleided millions to the lucky October, 1899, where their names are Raleigh brought strictly up to date, tory character, enlivened with frequent prospectors. With only on Indian guide, given, "Caloocan, Polo, Marilao, Guinwith solid common sense and a prac- excursions into the outer world in he penetrated to and beyond the Arctic guinta. Malolos, Bagbag, Calumpit, tical strain in his composition that search of the wherewithal for continu- circle, and on his return to the Yukon Apallt, San Tomas and San Fernando." saves him from doing impracticable and ing his studies. In the course of these floated down that river in a cance, after That was his record nearly two years It is refreshing to find that he was at one time a school-int a precocious youth but just a model it is a model of the another a collector of a missionary amid the desolate wastes since his recent doings show. Another inscription on that sword gives his la-

lum in an aimless way, vastly prefer- young man down in Cuba, where the disclaimer as to the feat before Malolos, obtained a commission as capta ... from role soldiers. Trembley and White, whe

CHANNING A. BARTOW.

