UNCLE SAM'S IMMENSE IRRIGATION SCHEME SEATLEMENTS IN THE BIG HORN.

DESERET EVENING NEWS: SATURDAY, DECEMBER 31, 1904.



the arid regions of the far west,

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is what is known in official circles as the Shoshone project, in Big. Horn county, Wyoming. This is nothing less than a scheme, now fairly launched and under way, for the redemption, through irrigation, sof 160,000 acres of hitherto desert land spread out to the northeast of the Shoshone river from the town of Cody, and formerly known among the Indians of that section as the "Stinking Water," because of the rank sulphurous fumes arising from various vents and crevices in the earth adjoining the stream, which is also more or less impregnated with the chemical. In fact there are places where, after removing some of the top crust of soil, the pure sulphur can be shoveled up ready for commercial purshoveled up ready for commercial pur-poses. At one location where the gus blows out from a subterranean source

altogether too uneuphonious for the modern, refined ear, and it has been changed to "Shoshone," a name fully as romantic and more acceptable to a pollshed taste. This river is the result of the confluence of North and South forks some seven miles above the town of Cody, and empties into the Big Horn about 100 miles further on in the state of Montana.

STARTED BY BUFFALO BILL.

Some years ago, Buffalo Bill (Col. W. F. Cody) sensed what might be done in this section in the way of irrigation, and started out to organize big irrigating company with a view to doing just what the government is now proposing to do. But it was not ong before the immensity of the undertaking impelled him to halt, and enter into negotiations with the government to take the job off his hands. Fnally, about two years ago, Cody was in-duced to sign off all his claims to the

and Utah because of the existence of two "Mormon" settlements some 15 miles below the site of the proposed dam, and where nearly 1,000 of the Saints have established prosperous communities. The good people of these sottlements will come within the im-mediate sphere of the project's operations, as their lands extend out under the lines being laid for the latterals to be connected with the main canal which is to be 50 miles long.

IN BOX CANYON. The site of the proposed dam has

been located in the Box canyon, half a mile below the junction of the north and south forks and six miles above the town of Cody, where the walls of the canyon are 1,100 feet high, 60 feet wide at the surface of the stream, and 160 feet wide at the top of the dam. The dam is to be 200 feet above the water, and 90 feet beneath where it will be necessary to penetrate to reach solid bedrock. Through the operations of nature, this 90 feet has been filled in with

NE of the greatest of the irrl-gation projects now being un-detaken by the revenuent in "Stinking Water" river has proven and in the metastime, a short tunnel and canal will be run around the south side of the dam ste, through which the stream will run. The size of the cross section of the dam has not yet been determined, but will be ample for any pressure that may be brought to bear by 200 feet of water.

SET BACK MANY MILES. The water will be set back some 18 or

20 miles, the Forts above being widened from one to three miles, and with such a depth of vater, Capt. Hammond sees no reason why pretty sizeable steamers could not be placed thereon; and this combined with the remarka-ble scenery and the glorious climate, ought to make any scheme to build here a summer watering resort, a reasonable one. The elevation at the dam is 5,300 feet above the level of the sea, which is neither too high nor too low for health purposes. The country is a mixture of mountain and wide valley lands, the latter at present covered with sage-brush and greasewood, but of such a

pumpkins-that is, local enthusiasts make that claim. Immense beets are also grown there. The Burlington has a terminal at Cody, and when the dam is built, the spur will be extended into the Yellowstone country beyond. THE COUNTRY.

The country is a mixture of limestone and sandstone which has been tilted, and in many places thrown to one side by an eruption of silurian granite from the beginnings of first things in geology. This granite is very hard, and has pushed its way through to the tops of the various peaks, and will furnish the material for the dam. Capt. Hamthe material for the dam, capt. Ham-mond began drilling operations last August to ascertain what was to be done in building foundations and pre-parations will be continued so that as early as possible in the spring, active construction can begin. The river will furnich the form acre fact per spring and furnish 400,000 acre feet per annum, and 80 feet up from the stream bottom, headgates will be put in and a tunnel cut through the side hill to the main build another Box canyon dam for a capable of discharging et. There is more water canal beyond, 1,800 second feet. in the local sources of supply than can be entirely utilized, and when the res-

ervoir is once full, part of the year ; some of the water will have to run to Waste.

FOR POWER PURPOSES.

Seven miles below the dam, water will be taken from the canal and dropped 100 feet, where it will be utilized in an electrical power plant for pumping water from the canal to one of a higher level for high line distribution.

BUILDING GREAT ROAD.

Engineer Ahern is building a permanent road 300 feet up the canyon and along the line of the canal, to be 41 miles long, two miles of which will be cut through solid rock. He is expending about \$7,000 per month for labor hire in this connection, and it will be a fine piece of engineering when he is through with ft. The entire cost of the project will be \$2,500,000, and the time required for its completion will be three years. Down the river 100 miles at Big Horn Down the river 100 miles, at Big Horn canyon, the government proposes to

The first photograph represents the site of the proposed government dam to be built across the gorge immediately where Capt. Hammond, the government drill expert can be seen standing. The height of the dam is indicated by the cross on the jutting rock at the right hand, or 200 feet above the stream. The view is east, looking down stream. The second photograph shows the left

side of the canyon, half a mile below the dam, and gives some idea of the tremendous rocky formations. The ex-cavation to the left is where a begin-ning has been made of a tunnel for the The has been made of a tunnel for the wagon road that is to run along the side of the cliff 300 feet above the bed of the canyon. The road will come out just on the other side of the great n is of per-pendicular rock where the light is strik-log. The wooden bridge is a tempo-rary swing affair, and the portly party posing thereon is the drill expert.

The third photograph represents the headquarters of the supervising engineer. To the rear and up from the house where perpendicular and parallel seams may be seen in the rock, is where a tunnel is to be cut for the irrigating canal that is to run clean through and under the tall cliffs into the valley be-A new road is noticed in the yond. engineers.

may be found any quantity of dead porcupines, rabbits, gophers and birds which came too near the vent, and bureau of the geological survey for

der the immediate direction of Civil Engineer J. Ahern of the reclamation

boulders and slabs from the cliffs above some of them being 30 feet thick. This of immense crops of alfalfa, grain and has been established by Capt. G. Hammond, drill expert of the geological | over it. In fact Capt. Hammond says

potatoes when once water is spread reservoir that shall irrigate an immense tract of country in southern Montana in the Custer military and Crow reservations. But this scheme has not yet so matured that any detailed informa- | picture, and the tents of the party of tion can be given about it.

STORY OF THE HABEAS CORPUS.

older than the idea of parliaments or constitutional governments. The latter came in to formulate, regulate and preserve liberty, The great English sources of liberty are well defined and readily recognized.

First is Magna Charta, granted in 1215. King John, prior to granting this charter, had exercised almost unlimited power. The greatest provision of magna charta is: "No freeman shall be taken or imprisoned or disseized or outlawed or banished or anyways destroyed, nor will the king pass upon him or commit him to prison, unless by the judgment of his peers or the laws of the land."

Upon this foundation constitutional government was erected. This guarantee of uniform administration of law was many times violated, but the people never yielded the rights won by the guarantee. By the petition of right in 1628, 413 years after, in the reign of Charles I, the rights gained under Magna Charta were reaffirmed and strengthened.

The Petition of Right prayed "that no man be compelled to make or yield any gift, loan, benevolence tax or such charge without common consent by act of parliament; that none be | body before the judge, and that inquiry

The idea of liberty is very old, much | called upon to make answer for refusal so to do; that freemen be imprisoned or disseized only by law and not by the tody. king's special command without any charge,

The provisions of both these charters of liberty were constantly disregarded and the people complained that unless there were some way to enforce the rights granted arbitrary kings would deny them; that they should have some way of showing that men were imprisoned without a trial by their peers and the common law of England and is that they were passed upon by the com-mand of the king, and not by the "due greater age than Magna Charta itself." Hallam, 'n his "History of the Middle process of law."

Ages," declares that whether the courts The habeas corpus act was adopted framed the writ after Magna Charta, according to the spirit of its declarato meet the condition and to relieve the people from all unjust imprisonments. It compelled judges and other officers to give deliverance where it appeared "found it already in their regtion, or ister, it became from that era the right of every subject to demand it." He that the law of the land had been disregarded in their imprisonment. The babeas corpus act came in 1679, 51 also says that from the very earliest records of English law" any freeman might as matter of right demand the years after the Petition of Right and 464 years after Magnta Charta. It is a great charter of constitutional liberty. issuance of this writ.

There was more or less of evasion There is a common belief that the issuance of writ of habeas corpus frees the prisoner. This is not so. The pe-tition for a writ of habeas corpus states in substance that the petitioner is ille-gally restrained of his liberty and prove that the court will issue its writ and dodging by imperious kings and truckling judges, and during the stormy reign of Charles I this increased, for Charles was a bigot and had less that and more courage than had James I in carrying out the methods of the Scot prays that the court will issue its writ directing and commanding that the custodian of the petitioner bring the tish Stuarts, which James had intro-duced. The famous Petition of Right did ask for the express recognition of this right, among others, in 1628, but

be made as to the petitioner's imprisonthe act was not passed until 1679 under ment. The judge issues the writ, for it is all but compulsory upon him to do Charles II. Cromwell's legislators did not enact it. so. Upon a hearing the prisoner is re-manded or released, according as the judge decides upon the facts and law. The writ is used to inquire into and de-termine the quetch of abilities. It is Of this act of 1679 Lalor says that, though the origin of the writ is sometimes erroneously stated to have been in this act, the fact is that this act termine the custody of children. It is the great writ of inquiry as to how 'neither added to nor detracted from

the fundamental principles of that ef-ficacious writ, but was passed in order and why any one is detained in custo define with clear precision the ap-But while it is true that "the habeas propriate remedies attendant upon the invasion of personal rights." corpus act" was passed in 1679, that act, in the opinion of the Chronicle was merely declaratory of what had The thing had existed for centuries In 1679 it was given a new suit of clothes, and it was not until George III been English law for longer than there was any record of. Lalor's Political Cyclodepla says it was "one of the had been king for 56 years that the right was extended to civil causes in the courts.-Chicago Chronicle. great, unrepealable laws which without the aid of legislation, became part of

Coughing Spell Caused Death.

Coughing Spell Caused Death. "Harry Duckwell, aged 25 years, chocked to death early vesterday morning at his home, in the presence of his wife and child. He contracted a slight cold a few days ago and pald but little at-tention to it. Yesterday morning he was slezed with a fit of coughing which con-tinued for some time. His wife sent for a physician but before he could arrive, another coughing spell came on and Duckwell died from suffocation.-St. Louis Globe-Demecrat. Dec. 1, 180." Ballard's Horehound Syrup would have saved him. 25, 50c and \$1.00. Sold by Z. C. M. I. Drug Dept. B

ONE FARE FOR ROUND TRIP.

Via Salt Lake Route. Tickets sold Dec. 23, 24, 25 and Jan. 1. Limit for return Jan. 3, 1905. See agents for particulars

The Hague commission could not have a more content chairman than Admiral George Dewey of the United States navy. He is a man of the keenest judgment, quick preception and absolute integrity. I sat out the weeks of the Schley Naval court. Times with-

DEWEY THE LEVEL-HEADED.

out number Dewey clarifled the situation before he allowed a witness to leave the stand. He sought only the truth. He is a good lawyer as well as a perfect master of the art of war. He knows what it means to command a ship, a squadron and a fleet. The great

court at The Hague, which will immortalize every man associated with it, will have one of the most mature minds at its head that exists today in the naval service of the world. Should Dewey be chosen, as I hope, I'd be willing to leave my life in his hands; and the same statement would be unhesitatingly made by any man who has ever seen him in command of a ship. George Dewey is one of the few men llving today who would not lose his head under the most unforeseen and trying circumstances. That is saying much for any mortal, but this is the one of which is may be truthfully spok-

The real story of the entrance

Manila harbor, every square rod of

which was believed to be mined, was DOCTORS COULD NOT HELP HER sublime. Dewey stood on the bridge of the Olympia in a white duck suit, a conspicuous mark for every sharpshooter at Cavite. That was not all, That was courage right enough, but he had every detail of the prospectiva battle worked out in his head. When the moment came Dewey merely said: "Gridley, you may begin with the port guns."-Julius Chambers in Pittsburg

"T had kidney trouble for years," writes Mrs. Raymond Conner of Shelton, Wash. "and the doctors could not help me. I tried Foley's Kidney Cure, and the very first dose gave me relief and I am now cured. I cannot say too much for Foley's Kidney Cure." It makes the diseased kidneys sound so they will eliminate the poisons from the blood. Unless they do this, good health is impossible. F. J. Hill Drug Co. "I had kidney trouble for years," writes



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