DESERET EVENING NEWS. Advertisers Appreciate the Fact That The Descret News Reaches the People in Their Homes

Are You Progressing or Just "Keeping Shop?" In Other Words: Are You Advertising or Not?

PART TWO

SATURDAY MAY 9 1908 SALT LAKE CITY UTAH

FIFTY-SEVENTH YEAR

Making a Mountain Come To Mohamet and

Something about the Government Engineers Who are at Work Chiseling a New Outlet for the Strawberry River through the Eastern Utah Watershed. When Completed the \$2,000,000 Project will turn a flow of 500 second feet of water on Utah's Arid Land that now wastes iteselt in the Flood Waters of the Colorado.

Section of Ganal

ext three or maybe five | that bends the other way over the | squito could carry its foad of germs | are worth saving from pneumonia as well as from falling stones." Just as you begin to figure that the No workmen are now operating in cost of lumber must have figured into the tunnel itself, nor have they been fancy sums for the inside construction, since last August. A reason of econ-

down the canvon, and you find that the

government has cut its own trees, and

awed them up into humber of every

description. A forest rider approach-

ing on horseback explains this har-

mony with another department of the

FOREST RESERVE POLICY.

policy the canyon makes its own an-

swer. Everywhere are young pines

that promise with half a dozen more

years to become real forest trees. Out

of the devastation of stumps left by the

men of a decade ago, a new hope is

springing up in younger growth, and

the value of these to the valley below

is evidenced in the little pile of snow

For criticism on the forest reserve

mission before he touches it.

Mourn West Side of Mountain

ReSumm

tected forest can make in a short time. I the sandstone chippings which are used belongs to the service and is your eye catches sight of a saw mill

you need, provided you will cut only

trees he will mark for you as ripe with

two symbols, one to the left on the

stump below your axe marks, and the

other above on the stump you carry

STATE SENATOR'S CONTRACT.

out to him what trees were "ripe" for

cutting and those that grew so near

An economy in resources shows it

so placed that they can easily be re-

RUBBLE IS SAVED.

vithout a loss to the forest.

away.

Talking it Over GovCutler and Mr.Lytel

Government Headquarters

That the government is not merely expected later they will be ground up playing "dog in the manger" with the to become a portion of the concrete wood is shown by the fact that the mixture which is to line the tunned on government forest rider will issue a the bottom, on both sides and in an permit to cut what wood you can show arch across the top.

shipped from project to project so that it is not bought to be thrown away when this one is completed.

Inspecting Party at Tunnel Opening

Of these irrigation schemes the government is now engaged on 26 ifferent ones, and a fact which gravtates against big appropriations for Utah is that nearly all the others are much nearer completion.

on in Utah, Little Sixth Water canyon, now carrying maybe 10 second feet of water will receive a flow of 500 feet, and the water will be turned loose to cut its own channel down the mountains. Away below canals will be waiting to receive it, and 60,000 acres of dry Utah land will suddenly leap in value from \$25 to \$1,000 per acre. The figures are not wild speculation. Land is worth what principal it will pay good interest upon, and land that under dry farming pays interest on \$25 will then be ready to pay interest on \$1,000, for almost every foot of the great acreage is fit for fruit or truck farming in which the greater values lie. Meanwhile for three years Salt Lakers who tire of contemplating the greatness of a city with its first sky scrapers, can well afford to take a jaunt to Strawberry to witness the greatness of a state with its first government irrigation project now in its preliminary stages.

PROJECT FOR THE PEOPLE.

Irrigation projects belong to the people, not the government, and the people pledge their lands to pay for a project's cost in 10 yearly payments from the date of completion. Thus with 10 years after the work is done a water users' corporation in Utah county of which State Senator Henry Gardner is president, will take over he management of the growing Strawberry tunnel and will conduct it as the property of this corporation, subject only to a government mortgage calling for one-tenth of the original cost each year until paid for. Utah county wa- ure begins to bear in on one as soon ter rights are already signed up in the as Mr. Lytel starts to spell things out matter, and one year's work is com- in detail. pleted.

INSPECTED BY GOVERNOR. Utah's chief executive spent three days at the end of May's first week inspecting the Strawberry project, and as that project then looked in the record of its work accomplished, the hope of its work yet to come and the possibilities of its achievements in redeeming desert land, this article has to

You get one opinion of the matter from the snow-covered summit of the divide through which the Strawberry ver has chisseled its way out to the Colorado. You get another from the bottom of this mountain where the government is chiseling a new way the river, to bring it westward thto Utah, and you get still another view down the ridges 25 miles to Spanish Fork canyon where the canals with their cement lining and closed leally built, for the stoves call for wood culverts are boing built to distribute fuel that is so plentiful in the vicinthe water after it is secured in such ity instead of coal which would cost plentiful volume.

From the summit of the mountains the immense size of the undertaking and the hopelessly small amount of accomplishments first fully impress

You climb through snow that melting sends its drippings westward towards the Sixth water finally to snow

demonstrated that it would be cheap-NATURAL RESERVIOR. er to build an electric power plant on "You see," says J. L. Lytel, the genial giant of outdoor life who masters

cars the chisels of government ridge, and before you lies the great into the cooking appliances.

there is a shimmer of water in every

to the south is Indian creek, which

runs into the valley, while that larger

cut east of it is the one this foolish

river dug to make its way out. Down

in the narrows of that river we will

begin this summer building a cement

and concrete dam that will back up the

pleted problem includes the dam in

the river, the long drilling through the

mountain, the making of a dirt cut

out into the valley, and finally the

making of a cement lined canal

through those low swamps where no

team or man could pass without sink-

ing up to the hips. With all these

things completed the water would be

through the tunnel and then there are

the canals at the western end of the

project to build, and the matter of

clearing a 25 mile channel down can-

HUGE PROJECT.

Hopelessly big as the project seemed

from this first full sized comprehen-

sion of it the fact that it is being

free from defects which may spell fail-

yon for it to run through.

iver's flow into Strawberry valley.'

"And then?"

drills will pound away on the valley of the Strawberry. Ridges com-

limestone of the Strawberry pletely surround it, and in the bottom

day there will be a great direction

the stream below than to tunnel with gasoline power at the price of gasoline the problems of the undertaking, "the freighted to the tunnel portal. valley is an immense natural reservoir. That cut through the mountains away THE DRYING ROOM.

government service for he and Mr. The first building you encounter on Lytel talk over removing a tree in his horse coorral, and gets the rider's per-

coming out of the tunnel is a "drying room" where a big stove affords warmth to dry out the workers' clothes, and after you have waded up into the tunnel its full length with a sputtering candle in your hand you can account for this. Water drips from every crack through the timbering, and a

omy, explains this, for expe: figuring

For that the answer is a mountain workman would have a long and chilly over 19,000 feet through from base to walk from the opening to the camp base, with a tunnel 1,500 feet in length above, should he try to make it in his chiseled into the western edge of it. wet clothing. and 17,500 feet yet to go. The uncom-

LIVES WORTH SAVING.

lying beneath each tree while bar "We figure that the lives of our spots all around testify where the sun workmen are worth saving," explains strikes in unobstructed intensity. Mr. Lytel when you praise the com-Tall quaking asps in the distance pleteness with which the tunnel is timthat would fall beneath the woodman's bered. "And," he continues pointing axe the minute he was freed to devastto the drying room, "we figure they ate them show what progress a pro- lout of which they came. Added to

SAVING THE AMERICAN BISON

To preserve a species from exi-Hampshire snowstorm.

Enction is the task which Ernest Harold Baynes has set himself, and this the most interesting, romantic, historical, distinctively Amerapproached by plans just as big and ican species that ever existed, the American bison.

> Mr. Baynes deliberately set himself the task two or three years ago of preventing the American bison from be-

Down the big hill to the tunnel ing swep off the surface of the earth. mouth the path led over two classes In that quest he has done a number of surface sandstones and then past of unsual things. a geological fault onto a hed of lime For instance, a census of all the Amer rock. The tunnel is not yet through

the limerock. "You see," began Mr. Lytel, "what a mess we would run into if we were tunneling into this geological fault down hill. A rush of water coming through it, and it is at such places that the underground lakes mostly lie, would

flood us out in a little while. But as it is the minute we strike a flood of water it has a channel ready for it running out.

GOVERNMENT CAMP.

A view of the government camp near bison population of the world is in the tunnel opening is given above. It a few large herds in the West, so includes hunk houses with eight men that disease might easly sweep off a to the house, warmly built to resist whole herd, bringing the animal danwinter winds and snows, and economgerously near extinction. Mr. Baynes drives the only team of harness-broken bison in the world. In seeking to rouse public interest in the

\$12 per ton freighted up. One building, remote from the others, contains all surgical appliances to care for the most serious accidents that might occur with blasting material in the tun-

nel, and likewise cots where fever patients could be isolated. To the kitchen there are double screen doors and screen windows so that no fly or mo- open the winter roads after a New "If this proves durable," said the

manager to Mr. Baynes, "you've found Mr. Baynes took his team around to something of value to commerce." sportsmen's shows and agricultural Mr. Baynes made the piece of stuff fairs. He issued a' standing challenge into a pair of driving gloves and after against anything of their own age in two winters' use they showed not a a pulling contest, and against anything sign of wear. The material is stronger, of and age in domestic cattle in a speed

grade for grade, than sheep's wool. A contest. He never got a taker for the woolen manufacturer in Wocestor pulling, but one day at a fair in Maine Mass., offered to make up 500 pounds he found a taker for the speed contest of the wool free of charge purely for in a young steer which had been brothe interest in the experiment, ken to a sulkey Mr. Baynes has as yet no way to fur-

The two little buffaloes had received nish the wool. the gentle names of War Whoop and In December, 1905, Mr. Baynes, who Tomahawk. War Whoop was chosen had spent several years rousing public ican bison left on earth has just been for the race. At the go the startled sentiment on the matter, organized the completed at his instance. There are steer felt a cyclone pass. He caught one 2,039 of them-325 wild and 1,714 in American Bison society, which now has glimpse of the last he saw of him until 700 members. It includes many of the captivity. Of the wild 25 are in the he reached the grand stand, where War United States and 300 in Canada. Of leading naturalists, sportsmen and Whoop stood wearing a bored expresthe captives 1,109 are in the United States, 475 in Canada and 130 in Europe. sion which indicated that an idle life did not agree with him. With the exception of one large

Mr. Baynes has discovered a totally herd, there are not many more in the new use for buffalo, which may some eastern states than there are in time develop an important new in-Europe, the bulk in both sections, of dustry in the United States. In spring course, being in parks and zoological they shed their coat. It comes out in gardens. The great majority of the great handfuls, and they could be sheared like sheep by the application of a little ingenuity.

Mr. Baynes took a few handfuls of wool from War Whoop and Tomahawk -strictly with their consent- and submitted it to the proprietor of a woolen

mill "We'll try it," said the proprietor, matter he asked the Corbins to turn "Baynes is a friend of mine, and I'd over to him four calves to be raised like to show him something."

by hand and receive a liberal education. His forman went away and when he He raised them on the bottle, two domestic cows supplying the nutriment. came back said, "Well, I'll be hanged if that stuff ain't felted as hard as a Two of them he broke to harness, and when thy were a year old they would brick!"

"Does your previous experience sug gest that getting through the moun tain will develop any sudden and difficult problems " I asked of Mr. Lytel when we were blowing our candles out t its opening.

DIFFICULTIES ENCOUNTERED.

State Senator Henry Gardner, sitting "Yes," he answered. "At Montrose in the majesty of ploneer freedom upon a pile of freshly hewn logs throws colorado, we encountered great heat i the middle of the tunnel, which got, so additional light on the policy of the intense that our laborers couldn't work government of protecting all the people from the greed of a few. Gardner has except in five-minute shifts, and then were used up pretty fast. We might the contract to run the line of power encounter an underground lake, or : poles down the canyon to its mouth. flow of water through the fissure, a and he has cut all of his poles in the canyon, the expert foresters pointing there are springs on the mountain above the tunnel line. However, with good luck we should make about 12 feet to neighbors that they could be spared day on the average until we ar

It will be a great sight to see the wa ter from the tunnel come spouting out in its full force when the work is fin self on the dump from the tunnel's ally done. To follow its work of cut mouth. The lime chippings are being ing a channel down the canyon when ow only a small streamlet flows wi handled and sent back into the tunnel e another sight, and the figuring of its atility will begin.

NATURAL ENGINEER.

"We will let the water do its own work in the canyon. I guess it is as good an engineer as the governi has," Mr. Lytel explains on the plans for the 25 miles above the canal heads and after you have driven past many herds of cattle and flocks of sheep down these 25 miles, you find the gov ernment forces in the thsk that is nov before them.

It is to dig a power canal fur enough round the mountains leading south from Spanish Fork canyon to establish on it the electric power plant. A new passage for the Spanish Fork river is the first piece of work you encounter and then you find a hundred men blast ng at the toundations of the river bed, n its old channel, in order to sink conrete dam footings deep enough to for ver prohibit the passage of water unier thom-

TWO TUNNELS.

public men of the country, but curiously Two tunnels, one through lime rock enough the person who has given the and the other through cobble drift nost money to further its work is a mark the opening of the new canal and concrete mixers at work in both The society is preparing a bill to be introduced at the present session of Congress asking the government to fence a preserve in a suitable plac-and establish a heard. A similar bill are walling them up so that no frietion will retard the swift flow of wate through them.

A section of the open canal along the bench land, encased in smoothly finished concrete walls, stretches be youd the tunnels, and from the end of this work, a commanding view of the lands to be irrigated is to be had They are in dry farm crops now, sell ing for \$25, and waiting for the wa ter in the canal to be fit for orchards and finer gardening, with the greater returns these will bring.

WILL COST \$2,000,000.

Hardly begun as the project is, it has consumed \$400,000 of government money, and It is figured that \$2,000,-000 will complete it. The machinery EIGHTEEN PER CENT DONE.

The Strawberry project, according to the March bulletin or the reclamation service is 18 per cent done, while there are a dozen others over 80 per cent completed. The policy is to crowd those near completion so that they will begin a return flow of money into the treasury, and thus allow the se of this money on other proposi-

Utah belongs to the Southern diviion, which includes New Mexico, Texas, and Southern California. In this division there are besides the Strawperry project the Salt River, Yuma, Pecos, and Rio Grande projects which are 66 per cont, 41.5 per cent, and 98 per cent completed, respectively,

FRUPPFUL PROMISE.

From projects now under way the government has promised that 522,500 acres of land would be brought under irrigation in the season of 1998. None of this acreage is in Utah, but Wyoming gets 13,000 acres on the Shoshone project, Washington 44,000 on the Sunnyside, Oregon 20,000 on the Klamath, Nebraska 40,000 on the North Platte, New Mexico 30,000 on the Hondo and Leasburg, Montana 45,000 on the San river and Huntley; Idaho 47,000 on the Minidaka, and Arizona 50,000 on the Salt river.

GOV. CUTLER'S OBJECT.

J. L. Lytel, in charge of Strawberry, reports to Louis C. Hill, supervising engineer at Phoenix, Ariz., and his work is examined by Charles S. Witbeek, attached to the office of Engineer Hill. So far he has had \$209.-000 per year to spend, but Gov. Cub ler will work hard while in Washington to have this allowance increased to \$400,000 a year beginning with 1969. By that time the tunnel should be three months further along than it is now and work should begin to show results on the dam across the Strawberry river, while the electric power plant on the Spanish Ford river should have been operating to supply tunnel power for three months, and the work concentrated for the winter at the government camp, which is shown above.

Someday, after the water begins to flow, a town will grow up near the site of the power plant, and there will be a name to choose for it. In honor of a sturdy man who has every detail of its construction now in mind, and who works with such precaution that he has already provided for the flow of every mountain gulley past his canals so that no cloudburst can pour its floods onto uncompleted work, the city that is yet to be born should be called Lytelville on the day of its Christening. ISAAC RUSSELL.

was introduced in the New York State legislature in 1907, passed, and then vetode by Governor Hughes.-S. F. Call. STAR FLITS AWAY The boy stood on the bridge of a chooner beside the captain on a starry

It suddenly became necessar r the captain to go below, and he id to the boy: "Here, take the wheel. I'll be back for the in a few minutes. Steer by that star

in a few minutes. Steer by that star and you will be all right." The boy began to steer the boat, and soon he got her out of her course. The star now asiern instead of ahead. He shouled down to the capitain: "Hi, skipper come up and find us another star. "Twe passed that one!"--

oman

night