DESERET EVENING NEWS: SATURDAY, DECEMBER 16, 1905.

Story of The Year's Sugar Record in Utah and Idaho BEET RESULTS IN IDAHO.

goes out with less of an exuberant feeling than it came in. At the opening of the year, and especially in the spring, when the season's planting was under way, it looked as though the farmers of the two states might confidently rely on a crop of 500,000 tons of beets. As late as June the fields in every district bore excellent promise and no one thought of placing the crop estimates of the year at a lower figure. Then came the drouth, the mysterious blight for which the keenest government experts have been unable to find a name or suggest a remedy, the devastating white fly followed, and when the crops were harvested, it was found that the 500,000 acres had shrunken fully 25 per cent,

As nearly as can now be learned the total of the year's tonnage in both states will approximate 370,000 tons. The blight fell in erratic fashion. It was worst in the Sevier, Sanpete, Lewiston, Blackfoot, and Malad districts; Ogden and Logan suffered; Garland and Idaho Falls were almost free from the trouble, and Sugar City was practically untouched. In some districts the farmers' loss was almost total, in others partial, and in the others the crop was greater than ever before

Heavy as the losses were, it will surprise some of those who have been diligently engaged in looking only on the dark side of the picture, to learn that the 370,000 tons harvested exceeded by 70,000 tons, the crop of 1904. While many farmers who planted beets this year, realized little or nothing, still the majority must have fared well, for the records of the several sugar companies show that close to \$1,700,000 has been paid out for beets this year, as against \$1,350,000 for 1004.

Evils never arrive singly, and another circumstance which has accentuated the feeling of depression in sugar circles, is the low price of refined sugar which has prevailed for the past several months, at the period too, when all the local companies had to sell as much as the markets would consume, in order to meet the heavy demands made on them for beets, labor, coal, freights and supplies. These low prices, averaging nearly 1 cent a pound below this time last year, have been brought about through a variety of causes. First, the collapse of an attempted cornering of the sugar market in France, which spread ruin in its wake, caused several suicides and threw upon the markets immense accumulations of sugar which had to be cashed at any price; second over production in Europe, caused by the high prices of the previous year, which tempted the farmers of Germany and France to increase their acreage, and as is usually the case, to overdo the task and pull down the world's prices to their own detriment.

The causes above detailed have had the effect of making investors. in the sugar industry quite cautious as to new investments. The promised factory for Sanpete and Sevier and the plant expected to be built at Payette, Idaho, will therefore be deferred another season, so that the only new factory under construction next year in Utah and Idaho will be the one at Nampa, Ida. It is confidently expected that the fertility of the soil in that district will speedily submerge this plant with beets and show the necessity that exists for another, in which event the building of the Payette factory will be proceeded with along the original lines.

All sugar authorities agree that the bottom has been reached in the matter of prices and other depressing influences, and that a better outlook is assured. This view is well set forth by the "Louisiana Planter & Sugar Manufacturer" of a recent date, which says:

"The tragic crash in the sugar market in Paris has had the effect of carrying prices below any normal level and it is now fair to expect some reaction, although the market responds very reluctantly in that



VIEW OF BEETS UNLOADED AT THE OGDEN SUGAR FACTORY.

John A. Johnson of Thatcher, six and me-half acres, 175 tons. I might say, that the farmers of the vest side of the Bear river, under the Itah Sugar company's canals, have Utah Sugar company's canals, have probably the most perfect system of irrigation and distribution of water in this state, and the land is very pro-ductive of all kinds of cereals, fruit and vegetables; in fact. I have never seen its equal from a furming stand-point in any of my travels. 22 or 23 tons per acre. The districts affected the past season by the insects were as follows, as near as may be ascertained: Sevier county lost 75 per cent c.' ita

EAST SIDE LANDS.

The land on the east side of the Bear iver, under what is known as the Hamnond canal, is also very productive out owing to its being secondary to the but owing to its being secondary to the west side in water rights, it is neces-sary, before the great success can be obtained that has been on the west side on late crops, that the farmers there construct reservoirs on a small scale, that will take care of a portion of their land during the dry months of July and August. There is ample water in Been Floor valley during the months

HE Ogden sugar factor

nearly two weeks earlier than last

year. The sugar beet crop for the Og-

den sugar factory during 1905 has not

been so profitable to the farmers gen-

erally as last year. The average per

year, on an average this year they on-ly harvested 10 tons. The extremely

hot weather, shortage of water and the

hurvested 10 tons.

by the Amalgamated Sugar

company, will close its season's

run for 1905 about Christmas,

Were

of water.

ly, as in many cases the land produced on the east side this year from 15 to Sevier county lost 75 per cent c.' Its

Sampste county, 50 per cent. Utah county, 30 per cent. Salt Lake county, 20 per cent. Boxelder county, 20 per cent.

The Sugar company, realizing the condition, has come to the rescue of the farmers in remitting the cost of seed and planting where the tonnage fell below a certain amount. This move cost the Sugar company about \$12,000, but it was very much appreciated by the beet growers

discovered prospects upon the crest o the hills in the mountains of the wes

But unfortunately for that section and for his enterprise, Mr. McDonald was taken ill and died, and his execu-

The hardy residents of the Teton ha

however, were not satisfied to let flattering a prospect go by the boar They have therefore worked with co

siderable energy, and with what limit ed means they could command, unt

bly the claims of the Bramwell Bro

Horseshoe canyon, where a six foot ve

Sugar City and adjucent towns. Mor than 300 tons of coal has been take

from this claim since the 1st of October and the vein is traceable for more that

two miles upon the crest of the ridge

on is often raised as to the

long-established mines

Wyoming. It only rema

froad company to build

long the Oregon Short Line,

end to

uality of these new discoveries.

and to this a report made by Prof. mes E. Talmage, of the University of the as a result of an analysis mad blim in 1904. A casual examinition

viR convince the most skeptical the bese coals, taken from the surfac-and subjected to a most conservativ samination, show results that con-are favorably with the coals furnisi

from the most feasible points | alley to develop these mines a the long haul from eastern po and to accure a permanent supply

demselves and the inhabitants of th University of Utah, Department of

Geology. Salt Lake City, Utah, Ja

to your request, and I have to repor

RESULTS OF ANALYSIS.

Fuel

Value.

9.32

90.38 87.01

90,99 84.75

-The air-dried samples contain:

results as follows:

9. 1994. Mr. Spencer Clawson, Cit Dear Sir-The samples of coal receip

the properties have ceased to be me prospects and are now fixed facts, no

ocated on the crest of the



their land well, fertilizing and planting their beet seed early, of thinning the beets early, and of keeping the weeds cleaned out, giving the sugar beets every chance to grow and mature. As to the future of the sugar beet industry in this section, it looks en-couraging. The beet raising is perhaps the most profitable of crops for the farmers. It takes a great amount of labor to raise sugar beets; but when the farmers receive their checks from the sugar company for their products they feel well paid, and though the labor is hard, they feel ready to try again next year. When the Ogden sugar factory was first built, in 1898, it took considerable

labor and pleading with the farmers, from Farmington on the south to Pres-ton on the north, to get contracts signed for 2,000 acres of sugar beets, while in 1905 the farmers residing in this same district have raised beets sufficient to supply four sugar factories, viz., the Ogden, Garland, Lo-gan and Lewiston factories. The Lewiston factory was built this year. The farmers between Farmington and Honeyville contracted for nearly 6,which is about six times the acreage contracted for in 1898, thus showing the eagerness with which the farmers have taken up the sugar beet raising industry in these few years. In this same section of country there are many agriculturists who are raising vegetables, grains, fruits, tomatoes and other crops. Unfortunately this year the tomato crop was almost a failure awnad I causes in reducing the crop. The fly eemed to injure the beets most in Weber county The Ogden Sugar company paid this planted late in the spring; the season nearly \$225,000 for sugar beets. early beets seem to do best. The town paying a flat rate of \$4.50 per ton. The season has been very favorable for the Wi of Syracuse, Hooper, Kanesville, son, West Weber, Warren, and Plain City, which places are supplied with harvesting of the crop, which is all harvested, and by Christmas the enwater for irrigation purposes from the Weher river, suffered most for wan and the fuel value of the coke is meastire output of the Ogden factory will be ready to place on the market, and ured in terms of the fixed carbon pres-The loss this year to the crops of the farmers in Weber thus our money is kept at home for this count lone, for want of water, would amoun product acre is fully one-third less. Where to many thousands of dollars, a sum farmers raised 15 tons to the acre last that would go far towards the building Since the commencement of sugar nd canning factories, creameries an ther home industries, the wages of th of a reservoir for the storage of water. There were many farmers this year who had good crops of beets, while aboring men have been greatly in-creased, and there is plenty of employmall beet fly have been the principal other crops were almost a failure. Λ

By Mark Austin, Agricultural Superintendent of the Idaho Sugar Company.

HE third year's experience in beet culture in the Snake River valley for the Sugar City and Idaho Falls factories has cer-mly been attended with great suc-ss. The crops have been excellent, many cases being far beyond the many cases being far beyond the constructions. The greater tainly been attended with great success. The crops have been excellent, in many cases being far beyond the farmers' expectations, The greater number of the growers are entirely satisfled with the results they have attained this season, and they have thoroughly demonstrated that where careful selection and preparation of the soil is made at the proper time, and the crop is properly planted and cared for, excellent results will follow.

The farmers have also discovered that fall plowing gives high results and at least 75 per cent of the land has already been plowed for next year's crop. We have also demonstrated that the use of alfalfa as a fertilizer to enrich the soils of the Snake River valley is very valuable, and experience has taught us that the best method in the use of alfalfa as a fertilizer is to plow under the first growth just prior to the time of cutting, thoroughly covering it, so that it will decay during the hot weather of July and August, and then plow again in the fall, and in this way it will kill a greater part of the alfalfa and cause a great deal of it to decay and pass into the soil, thoroughly fertilizing it, which should stimulate the growth of the crop for at least two to three years; in the sub-irrigated districts of Fremont county, which are quite ex-Fremont county, which are quite ex-tensive, it will no doubt furnish food Snake River valley:

creased returns by the above prepara-tion will more than pay the interest on the money invested in the land for the year in which there is not the year in which there is no crop raise year in which there is no crop Filsed, as the western farmer is beginning to realize, that he cannot take from the soll continually without returning something by way of fertilizer to stim-ulate it, and there is no cheaper way of datas it then thing alf for an elayer doing it than using alfalfa or clover.

There is no question of the success of beet culture in southeastern Idaho from this time forward, as it has been demonstrated that it is much more profitable than any other crop that has been heretofore grown in this section of Idaho; each year the farmers growing beets for the Idaho Falls and Sugar City factories since the commen-have practically doubled their and tonnage, taking the whole section of country in which the beets have been grown, that is, speaking of the gross number of tons grown by the farmers collectively and delivered

the factories, This speaks well for the industry, and

Following are some of the records made the past season by farmers in the

Name. Addr		Acreage,	Tonnage per acre,	Amount realized.	
W. E. Hunter	Parker,	40	161/2	\$2,898.15	
Godfrey Klingler	Salem,	12	16	\$90.85	
Lloyd Roberts	Sugar,	8	16	622093	
Horace E. Roberts		4%	- 21	472.46	
John Ricks	Salem,	5	16	284.20	
Jacob Johnson	Teton	18	17%	1,577.06	
Jesse M. Baker	Teton.	45	23	4.240.41	
W. W. Walters	Rexburg.	5	17	385,28	
Lawrence Thomas	Sugar,	1	30%	138,40	
Morgan Smith	Salem.	3	17	236.04	
Charles Swensen	Rexburg.	3	26 1/2	333.64	
Austin & Bowerman	Parker	35	15	2,128.91	
Mark Austin		25	21	2:362.50	
A. D. Miller		63	16	4.531,56	
W. L. Flint	Parker	27	16	1.931.31	
George A. Crapo	Parker.	20	19	1.742.47	
Walter Moose		- K -	25%	582.34	
Reuben and Lee Austin, boys under		20	16	1,443.24	
A. D. Miller, Jr		18	- 16	1,329.44	
James A. Crapo		6	91	564.40	
C. H. Carlson		13	17	995.81	
S. M. Davis		19	17	961.59	
John Dalling		20	16	1.441.90	
H. H. Hunter		40	1536	2,772.05	
Eastern Beet and Seed farm	and a state of the	230	- 16 -	2,772.05	
Eastern Beet and Seed farm		130	1939	2,150.23	
James Siddoway	Teton	.25	19	#y Colliga	
Mark Austin		10	333%		

"Two boys, under 11 years, did the work on above

average of the farmers' crop in the Parker district exceeded a trifle over 13 tons to the acre.

Each of the samples yield a light pulverulent ash of reddish color; the color indicates the presence of iron and the possibility of a small amount of suphur combined with the iron. Each of the samples yield a light In composition the coals herein rank the possibility of a small amount of suphur combined with the fron. The Teton samples, No. 1 and No. 2,

INTERPRETATION OF RESULTS

All the coals herein reported may b

er not belonging to the coal as de-

Ash.

 $3.84 \\ 6.18$

Value.

94.73 85.60

Fixed

41.43

Carbon,

posited

Matter.

44.17

Percent Combus-of tible

Moisture,

7.13

direction. The present reduced prices of sugars will almost surely increase their consumption, and apart from that there ought to be an enormously increased distribution of sugars in all the trade channels of the world, as the stocks everywhere have been depleted because of the adverse conditions that have surrounded the market now for four or five months. It is now stated that various French factories are compelled to treat in advance with their beet growers for a reduction in prices, or to go into insolvency, declaring their inability to fulfill their contracts as already made. This is a straw to show which way the wind blows and it would look a little as if this wind would rise iuto a gale during the next three or four months."

GARLAND AND LEHI RECORD.

By George Austin, Agricultural Superintendent of the Utah Sugar Company

HE Bear River valley is prob- conditions, as were experienced this ably the best locality for sugar year, should prevail. ably the best locality for sugar RESULTS AT LEHI. beet culture of any point in

the United States. In the spring Below are some of the results obtained this year at Lehi: of 1903, the Utah Sugar company com-Name

menced to build the great factory that has done so much for that beautiful Morgan Woodhouse valley. That season, 16,000 tons of Eli Webb beets were worked through the mill and Edw. Karren converted into fine granulated sugar. Max Rothe člisha Peck, Jr..... In the season of 1904, 30,000 tons of Wm. Webb. beets were raised and handled Geo. Fox through this factory, and by the time Morgan Evans A. R. Anderson this appears in print, the crop for the year 1905-amounting to 60,000 ions of Jacob Cox . beets, will have been made into H. Z. Harrison granulated sugar. Had it not been for the ravages of the white fly or leaf

hopper, from 75,000 to \$5,000 tons of beets would have been raised. However, I believe that next year will again show an increase in the tonnage of beets raised in this valley, as the farmers are a very intelligent class of people and are not disheartened or discouraged by reason of some failures, as all business has its drawbacks, some years good, others poor. This is so to some extent with beet culture, as eight years ago, this same pest made its appearance in Ctah and reduced the tonnage of beets at least 40 per cent. The following year (seven years ago) the heaviest crop of beets the second crop was ready to cut. I was raised that it has ever been our plowed the same under, plowing about good fortune to handle in the 15 years soven or sight inches deep, covering a that we have been in business. One of very heavy crop of green alfalfs. Later the reasons for this can be accounted ; on, I plowed this same land, and late for, that where land under adverse con-ditions has raised only three or four tons per acre, it is pretty much in the same condition as though it had been summer-fallowed, and under favorable conditions the state of the state

conditions the following season should respond with a very heavy crop. A great deal of experimental work has been done in Fush this year by the government and the Agricultural college of Logan, to ascertain some simple and cheap method that the farmers could apply in case of a repetition of this trouble, and it is believed success has been reached along this line should the should be able to be the should the should it be necessary to apply the remedy, so it be necessary to apply the remedy, so we are in hopes at the close of the year 1906, that we will be able to show a very successful year for the beet grow-ers and the sugar factories of this state. for it is conceded that the farmers of that concentry standard many states. for it is conceded that the tarment Utah, generally speaking, are among the the most intelligent farmers of the intelligent farmers the irrigation United States and having the irrigation tons. system down to a science, will secure Hyrum Hall of success, unless unfavorable climatic 254 tons of beets.

C OR many years previous to the ad-vent of the Oregon Short Line surface, and strengthened the alread Hailroad company, the permanent coal supply for the middle inter- basin. ior of the west, namely, Utah, Idaho, Nevada and Montana, for domestic and railroad use was the coals deposited tors allowed all of his improvem in eastern Utah and western Wyo- go by default and they were sold for the set of transportation is the set of transportation ning. For a long period of years all

the coals used on the Central Pacific and Southern Pacific were purchased rom the owners of these mines. Con-Acres. Tons. sequently there was an eager search 138 made in the unproductive coal regions for a deposit that would justify 168 the building of a railroad for its development and use, 140

About1900 Kemmerer, in Wyoming was developed, and from that source were drawn supplies for Idaho, Montana, and drawn supplies for Idaho, Montana, and the source were developed. And from that source were drawn supplies for Idaho, Montana, and the source were drawn supplies for Idaho, Montana, and the source were drawn supplies for Idaho. But other sections contiguous thereto, But when in the fall of 1903 a report was urrent that coals had been discovered the Teton valley, bordering on the Wyoming line and near Yellowstone

where in places it widens to 20 fret. Primitive as their applances are, and without public roads, this coal is de-livered profitably to the consumers In Garland, the following results werpark, it was looked upon with consider-My own farm of 89.4 acres produced 1.527 tons of beets, or an average of 17.4 tons per acre. Some of this land has been raising beets for the past three ole doubt. As the men who made the discoveries were farmers and ranchmen, and were lacking in means to properly develop them, the skeptics were, is usual, very sure that nothing would ever come of these prospects. The seasons that yielded from 12 to 15 tons, but one piece I wish to mention here, for the benefit of others who may wish ontrary has now developed, however, he prospects have become profitable to follow this method. In the spring of 1903 I sowed oats and alfalfa seed on a orking properties, the deposits of coal refound to be permanent, extensive id valuable, and it only requires the tract of about eight or nine acres. This land had been raising small grain for ivent of the railroad into that valles place the Teton coals in the market many years and was not suitable for best culture, by reason of its being ru-down, but it yielded a fair crop of oats ample to supply the wants of the ale northwest.

In the summer of 1904, after the first crop of hay had been harvested, and This condition was due to the efforts Mr. A. L. McDonald, of Victor, horado, previously a resident of the districts of Ohio and Indiana, where life experience had taught him what indications were, and in seeking a bunne in the far west he traverse in the fall or early winter (say the lat ter part of November) I plowed the third time. This treatment gave m valleys of the Terms and there disthird time. This treatment gave me over 25 tons of beets per acre this sea-son, and this is probably the cheapest vered such indications as in his ex-rience justified the purchase of 800 a of presentive oil and coal lands from yourself have been submitted to he Tyton basin. With limited means, examination and analysis, according fertilizer that is known to the farm-ers of the United States. Others rolited energy, he organized which, under his direction lowed the strong coul indications and sank a well 650 fost deep near the Te-ton river. This well developed a 10

lowed this same method in the Bear River valley with excellent results, some of which I will mention: M. J. Richards, Riverside, five acress treated the same way, harvested 27 tons per acre. This same farmer had in 24 norms of backs which will be a farmer had in 34 acres of beets which yielded 680 tons. Willard S. Hansen of Fielding, 2

12

14

RESULTS IN GARLAND

Bushman

A. Peterson

btained:

43%

142

acres, 398 tons of beets, John P. Holmgreen, Bear River city, 25 acres, 500 tons of beets. J. M. Nelson, Jr., of Thatcher, 25 acres, 450 tons of beets. Antone Christensen, Be. 20 acres, 389 tons of beets. Bear River City. J. K. and G. S. Hawes, 25 acres, 433

All the coals herein reputed has be classed in a general way as bitumin-ous, though in physical features the Teton samples are decidedly lignitic. The samples are all practically pure ment for those who are willing to work

coals, i. e., free from intermixed for-eign matter due to original deposition; ough in Teton No. 2 the high conent of ash may indicae slight contam freed from sand and then analyzed ination. The intermixed sand in sam ples No. 4 and No. 5 was plainly mat-

in stove a good quality of coke dered coal. I. F. Co. No. ultability for use in metallurgical erations, analysis for sulphur phosphorus should be made. he powdered coal the powdered coal. I. F. Co. No. 3 is a non-coking coal. Clawson No. 4 and sample No. 5 coke but poorly. The yield of coke in each case is the sum of the fixed carbon and ash present;

Among themselves the samples rank as to fuel value in the order of that content of fixed carbon and valatil combustible matter, and according to their low content of moisture and ash.

Respectfully submitted, J. E. TALMAGE.

The extraordinary developments of eastern Idaho in the cultivation of the sugar beet, stock raising, and the great crops of grain of all kinds, indi-cate a growth in this section that is phenomenal, and the "Gem State" will easily hold first place in the intermountain sectio SPENCER CLAWSON.

A Curious Custom of Oxfordshire

In some places in Oxfordshire, Eng In some places in Oxfordshire, Eng-land it was the right of every main-servant to ask the hired man for a bit of ivy to trim the house. If he turned a deaf ear to her importunities or for-got her request she would steal a pair of his breeches and nail them to the gate in the yard or on the highway. This was supposed to debar him from all privileges of the mistletce.

DAV **MIRAM H. SPENCER**, Vice-President CCLES, President HENRY H. ROLAPP, Secretary and Treasurer Amalgamated Sugar Co.

FACTORIES

Oğden	=			-	-	Utah
Loġan		-	-	-		Otah
La Grand	е	=	-	-		Oregon

≥ Directors ≈

FRED J. KIESEL

W. H. WATTIS

JOSEPH F. SMITH JOSEPH CLARK ADAM PATTERSON

EPHRAIM P. ELLISON HIRAM H. SPENCER JOSEPH SCOWCROFT GEORGE STODDARD M. S. BROWNING

Percent Fixed Combus-Ash. Carbon Molsture, Matter $\begin{array}{c} 41.69\\ 41.69\end{array}$ 48.69 48.69 50.52 53.52 4.62 $4.89 \\ 4.89$ 8.61 8.92

above, was subjected to analysis in j ly of small pieces of coal, contained Hyrum Hall of Garland, 12% acres. 54 tons of beets. the state in which it was received; a careful inspection, however, showed that the sample, which consisted most- of this sample was then practically

COAL IN THE TETON VALLEY. with the results given below. The sample No. 5 was also freed from in-termixed sand before analysis:

Clawson No. 4 Cleaned

"lawson No. 5 Cle-