LAND WHERE CATTLE AND SHEEP THRIVE ON BUNCHGRASS AND WHERE IRRIGATION PRODUCES RICH MEADOWS OF HAY

ENRICHED BY IRRIGATION.

falfa-Draining Great Swamps.

ESTWARD the star of freigntion wends its way. thing else, profited very little by his work | States of California and Nevada, extends

In Klamath the early settler has sold his sagebrush land, only to see it resold in a short time at a price fivefold greater than he received. The first ditch constructed here was by the Linkville Water Ditch Company, and was practically given away; some three years ago this sold at a valuation of \$39,000, and is now easily worth \$40,000. The development of Klamath County

has necessarily been very slow, caused by its remoteness from a railroad. In the Spring of 1900 the Klamath Lake Raffroad extended its track some seven gama, distant 34 miles from Klamath Falls, and has been doing a general passenger and freight business with this entire section. The prosjects are good for its extension to Klamath Falls during the year 1904. Another industry established during 1903 is that of the Klamath Lake Navigation Company. This company has already two gasoline launches on the Klamath Lakes, and intends to con-struct one or more good-sized steamers during the coming season.

Important work in the line of irrigation has been under way during the past year, probably the most important being the cutting of a canal from Lower Klamath Lake to White Lake, increasing the supply of water to the Little Klam-ath Ditch, better known as the Adams Ditch, thereby supplying the fertile lands of lower Lost River and Tule Lake with abundant water. In the Bonanza section a complete

steam pumping plant has been installed that will furnish water for a large num-ber of acres of fine alfalfa land. Numerous wheels are being constructed along Lost River. In some instances sin-gie wheels will raise sufficient water for 150 acres of land and cost nothing to

operate after being installed.

Another matter that is at present attracting attention is the draining of everflowed lands by means of diking with dredgers, the Klamath Lakes being bor-dered with thousands of acres of this class of land, which is very productive

Klamath County has made great strides as a beef-feeding section, all the alfalfa as a best-teaming best on, and a produced in 1900 being purchased by San Prancisco, Sacramento and Oukland parties for the purpose of feeding beef cattle until they are wanted at those cities. The cold, dry climate and sandy feed-The cold, dry climate and sandy feed-ing grounds are ideal for the welfare of pouring forth the precious metals ever stock.

The several towns of Klamath County show a healthy growth during the year just past, although improvements were somewhat curtailed by lack of building material, the mills being unable to supply the demand for lumber.

The general prosperity of the county is indicated by the better class of build-

indicated by the better class of build-ings constructed and the contented appearance of the people.

GEORGE F. BALDWIN.

Klamath Falls, December 15.

GREAT HARNEY VALLEY. Land Which Feeds Vast Herds May Soon Be Irrigated.

ARNEY County has its distinct intermountain characteristics; its physical features are strongly marked. Located in the southeastern part of the state, it is a strip 150 miles in length by an average of 80 in width, with a varying altitude of from 4100 to 5000 feet, yet capable of producing all kinds of grasses, cereals and hardy fruits and vegetables in every locality, and in favored sections, coves and sheltered vales, tropical fruits and plants.

As in all semi-arid countries, the stock business is the predominant and most profitable industry, and on our 10,000 profitable industry, and the sum-muare miles are ranged during the sum-mer not less than 250,000 cattle and 500,000 sheep. Here are found the largest indi-vidual stock ranches in the United States. The products of the range gen-erally make their exit to market by way of Ontario and Huntington; Huntington,

for merchandise into the country.

Hay, being the principal adjunct, next to range possibilities for successful stock operations, is the mainstay and pride of Harney Valley and County, the product for recent years of natural meadow hay aggregating 25,000 to 40,000 tons; and to this must be added not less than 10,000 tons tritious alfalfa. Until recent years wheat has been deemed an experiment, but it is fast becoming a staple product and enough now is grown to nearly sup-ply the local market, and is manufactured into fear at a will near the into flour at a mill near Burns. Lumber is also one of the revenue features, four mills supplying the local wants and producing about 1,00,000 feet a year.

It is estimated that the product of the

of Harney County for each year is

One of the greatest needs at present is greater dairying facilities. Local con-sumption is not supplied in this respect, and Harney County merchants draw their supplies from Idaho and the Willamette Valley.

A spur of the Blue Mountains extends across the northern portion cathe county, heavily set with a belt of sxcellent timber, yellow pine largely pre-iominating, although fir, tamarack, bullpine, jumper and mountain mahogany are much in evidence, the two istter being principally seed as freewood. The average width of this timbered belt is

the great Harney Valley.

No other valley in the state contains so many unbroken leagues of lend—a glose estimate shows that there are 500.—

The citmatic conditions, natural food policies estimate shows that there are 500.—

The citmatic conditions, natural food policies estimate shows that there are 500.—

The citmatic conditions, natural food buildings to meet the demand. There have

TYPETOCK is almost the exclusive indicator of the four counties which a stretch along the seatern boundary of the four counties which its regard of the four counties which a stretch along the seatern boundary of the four counties which its regard of the first than the false his. It is not a stretch along the seatern boundary of the first the false his is not the false his. It is not the false his is not the false his. It is not the false his is not the fals

EMPIRE TO BE OPENED. Klamath County's Success With Al- Railroads and Irrigation Needed to Develop Lake County.

LAKE County is large enough to con-stitute an empire within itself. It The early pioneer, as in every- borders on the north boundary line of the

B PSE

herds in Summer.

This has been appropriately named "Lake" County, for within its horders are to be found five of the largest lakes within the state, besides numerous smaller ones. The largest is Goose Lake, which is about 40 miles long and from six to 13 miles wife. wide.

Would Boom With Irrigation. Lake Courty's soil, with irrigation, is unsurpassed in fertility, and seems never to abate in its productiveness from repeti-

L

(NES

Lake

and the shipment of horses and cattle has been immense.

Formerly a great deal of the supplies for the interior country to a distance of 200 miles has been unloaded at points outside of Malheur, but this year conditions have changed greatly, so that business houses in Ontario are practically wholeale houses as well as retail.

Lawsuits are often omens of evil, but Malheur County has had one case which affects all irrigated sections in the state, the suit between Dr. G. A. Pogue and the Ontario Townsite & Irrigation company, in which W. R. King, of Ontario, secured for his client \$1800 damages for failure to

furnish water for irrigating.

The Owyhee Ditch Company has been making great improvements on its ditch.

Weirs or lock boxes have been put in at all laterals and each man gets the at all laterals and each man gets the water he pays for and no more. A loan of \$70,000 has been secured, \$50,000 to pay off bonds and the remainder to pay for improvements put in last Fall, which are to prevent breaks early in the Spring. The bank is being strengthened near the mouth and flumes are to be built where guiches intersect the ditch, so that the water and rubbish may pass over without causing damage.

ausing damage.

The Government has made extensive surveys about 45 miles above Ontario, which may bring abundance of water for the future.

From June, 1902, to June, 1903, there was an increase of population in Ontario of 300, but since June there has been rapid but steady growth, so that she can now cialm between 1100 and 1200 easily, and possibly more. During the year the following busi-ness houses have been completed: Two one-story bricks, two two-story bricks, two livery barns, one three-story brick hotel, one large lumberyard office and warehouse and one blacksmith shop. One Baptist Church is being erected. Dozens of pretty cottages and stately residences have been built, while the general ap-pearance of the town has been improved by graveling the streets.

Maiheur can hoast of the largest salmon

hatchery in the world. This Winter 20,-500,000 eggs are being cared for in the large hatchhouse, built last Summer, on the left bank of Snake River, two miles above On-

Over the entire county the progress has been marked and a happy, contented feeling prevails. THOMAS SPIGHT, JR. Ontario, Dec. 15.

LAND OF VARIED WEALTH.

Grain and Gold in Plenty.

acres in the Rogue

The export of apples for the year will amount to approximately 160 carloads or 100,000 boxes. The prices received will average \$1.25 per box, so it is

easy to figure a return of \$125,000 for the export crop of 1903, besides that portion of the crop used for the manufacture of ci-

der, etc., and for home consumption. Seventy-five carloads of pears which have been exported from the valley this year have brought in a return of \$1.18

per box on an average, or nearly \$40,000. These have been largely of the Bartlett variety, and most of them were marketed in the East. The Ashland district is

famous for its production of peaches and better and finer ones are not grown any-where. There are occasional off years in this fruit and 1903 was one of them.

The cereal crop of Jackson County, while it has never known a failure, was shorter this year than in the memory of the oldest inhabitant, due to the unusually

dry season and decreased acreage. How-ever the fruit industry is coming to overshadow cereal-growing in the valley

mate of the new apple acreage.

The past few years have not only demon-

the year 1908 in Jackson County

E Alkali L.

DLAKE VIEW

LAND OF PIONEER MINES STILL YIELDS GOLD BUT HAS ADDED FRUIT AND CATTLE TO ITS PRODUCTS

exhausted.

PROGRESS OF DOUGLAS. Inrush of Immigrants Causes a Great Leap Foward.

WHILE there has been a very marked progress along all lines in Douglas County during the year 1903, there has been nothing of the boom nature. as a rule, have been very good indeed. Notwithstanding the shortage of labor of all kinds, every class of industry has made material advancement. There is a decided increase in the value of improved real estate; while many settlers have gone upon the public domain and taken up omesteads; these have erected perma nent improvements and established bona fide homes. A number of these settlers made entry of their claims as late as June of the year 19%, and since that time have erected comfortable cabins, grown crops of vegetables and hay, which are har-vested and garnered for the Winter. These people are extravagant in their praises of Douglas County.

The population has been increased on the whole, in a very marked degree. The new population on the whole, is of a substantial class, generally from the Middle West. They have caused a pronounced activity in real estate, both improved and otherwise. Hundreds of buildings have een constructed and permanent homes established.

Mines Increase Output.

The mines are turning out more metal than during the days of the early settlement of the country. This is due to sever-al causes, chief among which is the im-proved methods of working both placer and quartz. Ground which was considered almost worthless 5 years ago is now good paying property; while new discoveries are being constantly made. The large

bodies of low-grade ore, so abundant in Douglas County, are sought after. The lumber business has received a strong impetus. Lurge tracts of as fine timber as can be found on the Coast are within Douglas County and have been practically all located within the last two years. One company has in progress the opening of the North Umpqua River for floating logs for a distance of more than 60 miles. Similar developments are being undertaken along the South Umpqua and its chief tributaries. When these rivers are come placed in condition to float logs the lumber industry of Douglas County will assume

Fruit Brings High Prices. The fruit industry has grown in impor ance until the year 1903 witnessed the highest prices as well as the best quality of fruit ever had in the county. Hertithe Stein Mountain range, extending from the Nevada line in a northeasterly course fully 6 miles, studded with pine parks and juniper groves. From these mountain fastnesses flow Silvies and Bilizen Rivers, Crane, Poison, Prather, Silver and Sagehen Creeks, which all trend in flow toward the great Harney Valley.

No other valley in the state to many thousands of dollars a year. Two prunepacking houses, of sufficient capacity to handle the entire prune crop of the county, have been erected in Rose-burg and insure a market at the best price right at home. The present disposition of the grower is toward a better class of fruit. Spraying, cultivation, fertilization and selection of the same powers. culture has enjoyed a steady, healthy price right at home. The present disposition of the grower is toward a better class of fruit. Spraying, cultivation, fertilization and selection of the best varieties are now employed, and the result is 50 per cent more merchantable fruit than was received two years ago.

The climatic conditions natural food 1000 and still the town has not search.

SOUTHERN OREGON, which the Calappeals Mountains cut off from the
Willamette Valley, is a region where
the mountains yield gold ore and the
valleys golden frult and grain. It has been
pouring forth the precious metals ever
since its wealth was discovered by the
Forty-niners on their way to and from
California, and the supply is by no means

of health of the turkey alone for two more two-story bricks. Some extensions have been made to the sewers
to the development.

Some new business have greatby increased this December excavations
for two more two-story bricks. Some extensions have been made to the sewers
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Some new business have greatby increased thing of the holidays.
This makes the sales of turkeys alone for
to two more two-story bricks. Some extensions have been made to the sewers
and the city has just voted to bond the
city a carload or two of finished lumber
a day. The Applegate Boom & Lumber
balance being reserved for the holidays.
This makes the sales of turkeys alone for
to two more two-story bricks. Some extensions have been made to the sewers
and the city has just voted to bond the
city or an additional main sewer.

Some new business have greatby increased their stock.

Output of Sawmills.

The Applegate Boom & Lumber
Company, which is putting a large
Clinton, Ia, also cut and ship from this
city or an additional or two of finished lumber
a day. The Applegate Boom & Lumber
Bourism of the balance being reserved for the land
and a smelter put in. The Golden Drift
Clinton, Ia, also cut and ship from this
city or an additional main sewer.

Some new business have greatbuilding of a flume on Applegate River,
has receted and put in operation a large
Company, which is putting to considerably by irrigation and more
Clinton, Ia, also cut and ship from this
city or an additional main sewer.

Some new business h

thousands of cattle, hogs and sheep are

annually shipped to the markets both North and South. The oak-covered foot-hills afford a most desirable Summer and Winter range for hogs. Taken from this

range of heavy mast, they require very little grain to finish them for market. The hog sales for 1905 run well into the thous-

ands of dollars. The herds of Angera goats have increased very rapidly, both in size and number and the sales of mo-hair have demonstrated that the quality

is the most excellent grown in the United States. The raising of Angora goats is be-coming a very popular industry in the foot-bills. The value of the goat is as

great in clearing the land as for the mo

bair produced.

The resources of Douglas are beginning

to be recognized and a true estimate given

to their veice. It is a safe prediction that during the next ten years the population of the county will have doubled,

while in commercial importance she will stand well toward the head of the list of

Oregon counties. W. W. CARDWELL. Roseburg, December 18.

MOST SOUTHERN COUNTY.

Lumber and Mining Make Great Advances in Josephine.

N REVIEWING the industrial prog-ress made by our county during the

past year, Grant's Pass, the county seat,

is naturally the pivotal point to which all

Since the first of January last many sub-

stantial improvements have been made in this thriving town and county, but for

the present let us confine ourselves to the

material growth of Grant's Pass. Notably,

first comes the growth of our population. As no census has been taken since 1900, there are no positive data to reckon from

except the school census, which, when taken last Spring, showed that there were over 1000 children of school age in the city limits, thus giving a population of 2500 to 4000, a growth since last census

of over @ per cent. The county has also made material growth.

Since last January there have been greeted in the city 13 brick buildings, in-cluding a substantial six-room school-house of two floors and basement, a

interest centers

engaged in and has much

gether with carloads of eggs, of which pany started its new plant last Spring, as well as the Sugar Pine Door & Lumber Increase of Livestock.

The raising of stock is very generally and doing a large business. The latter reno record is made

· WALDO

SOUTHEASTERN OREGON.

a day. The Applegate Boom & Lumber Company, which started last year the building of a flume on Applegate River, has erected and put in operation a large sawmill and kith.

Property in 1962 was assessed at \$1,384,000 and in 1960 at \$1,800,000, an increase of about 33 per cent. The largest gain comes from timber lands taken up. This has been an unprecedented year in the taking up of timber lands and homesteads. The

OWDENS

Jackson County Produces Fruit, fine mine. It has equipped it with valuable machinery and before Spring will increase P ERHAPS the most marked step of looking to development and increased prosperity is to be noted in the impetus received by the apple growing industry through the planting of probably 1000 Valley. This is a conservative esti-

strated that the climate and soil of the Rogue River 'Valley is particularly adapted to the production of the best apples in the world, but that the pro-There is great wealth in the mountains apples in the world, but that the pro-duction is exceedingly profitable. It does not require a roseate imagination to pic-ture this entire valley a few years hence as one big orchard and garden yielding wealth to a population fivefold as great as at present, and supplying fruits and berries by the trainload for export.

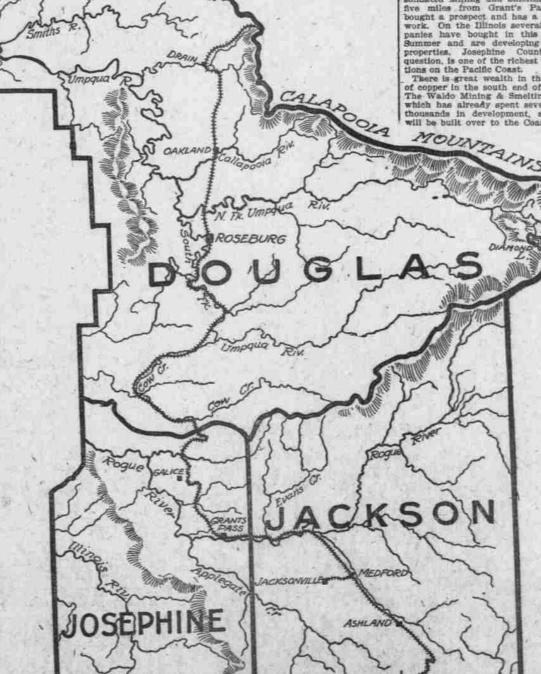
machinery and before Spring will increase the mill by ten stamps. The Alameda Copper Company on Galice Creek is again at work. The Galice Consolidated is spend-ing much money in ditches, flumes and pipe in equipping its property. The Con-solidated Milling and Smelting Company, five miles from Grant's Pass, recently bought a prospect and has a full crew at work. On the Illinois several large com-panies have bought in this Spring and Summer and are developing some good Summer and are developing some good properties. Josephine County, without question, is one of the richest mineral sec-tions on the Pacific Coast. of copper in the south end of the county. The Waldo Mining & Smelting Company, which has already spent several hundred thousands in development, says a road will be built over to the Coast next year MOUNTAINS

in a marked degree and hundreds of acres formerly devoted to grain grow-ing are also being turned into the more profitable channel of alfalfa growing, yielding three and four crops a year at a handsome profit.

Probably no county in Oregon has such varied resources as Jackson. Within her 50 square miles of territory are to be found not only the hest soils for ap-ples, pears, peaches, berries and small fruits, as well as grain and hay production, but her gold mines and mineral wealth, which are referred to in a separate article, have been evidenced by handsome yearly yields for half a century, and are one of her permanent and richest resources. With an all-the-year round climate, acknowledged to be un-surpassed on the coast, and attractions surpassed on the coast, and attractions of natural scenery that command the highest admiration, there is found here a combination of wealth, health and pleasure that makes the Rogue River Valley-lite well satisfied with his lot and is bringing in a substantial class of new citizens who are joining in the development of the rich resources awaiting them. Jackson County's recrease. Jackson County's progress the past year in every way has been the most marked in her history. The prospects are still brighter. There is no question of its steady development as one of the most prosperous and inviting sections of the prosperous Pacific Coast. F. D. WAGNER.

Ashland, December II.





SOUTHERN OREGON.