INDUSTRIAL DEVELOPMENT OF PACIFIC NORTHWEST

BAKER'S MINES BIG PRODUCERS

Output Already $15,000,000 Varied Resources Being Rapidly Developed.

By A. H. Harris, Journal Staff Correspondent.

Baker City, Or., Aug 17.—Fifteen millions of dollars is a conservative estimate of the mineral wealth produced in Baker county, according to men well posted in mines and mining. This clean new money was produced by mines of gold and of copper, and in the development of the properties, thousands of men have been given profitable employment year in and year out. Baker is one of the banner counties of Oregon in quality of its mineral resources and in the certainty of the permanent and continuous production of at least a score of its best properties. And, withal, the mountains of the county have not been prospected thoroughly.

But, Baker county does not depend upon its mines, its gold nor its copper. While the glitter of the nugget appeals strongly to the pioneer and the prospector, the lure of irrigation and of orchard appeals to the farmer and business man of today as of more general utility, of more certain returns. The year of 1909 marks a new era in the progress of the county from the pioneer Eldorado of the stockman and of the miner to the prosperous home of the intensive farmer, where will dwell the kings of the soil instead of the monarchs of the range.

Rapid Agricultural Development.

The story of the growth and development of the agricultural resources of Baker county would read like a romance were it possible for an able writer to picture it in words. Under the vivifying influences of the plow and the disc the sage brush plain has become a dry land farm, and the den of the coyote has given way to the garden plot of the settler whose family has come to be permanent and desirable additions to the rapidly increasing population of the community. Private irrigation projects occupy most of the valley and cove lands, increasing the production of the county immeasurable and doubling or even quadrupling the value of every acre of land touched by the fertilizing influences of the greatest aid of man in his effort to reclaim the desert and produce new wealth.

So successful have been the smaller irrigation projects that capital has now undertaken the reclamation of large tracts of the foothill lands and sections so remote from transportation that the small holder was helpless in his fight for water. Thief valley, one of the richest section of eastern Oregon, is now being surveyed for a $50,000 project, with prospects of its completion within two or three years, and right through the town of Baker City has been built the flume and tunnel of the Baker Irrigation company, a local concern that has already watered nearly 10,000 acres of land which, until a few years ago, was considered of but little value.

Building Dam by Water Power.

One of the most extraordinary pieces of engineering in the west is being done by the Baker Irrigation company. In order to gather flood waters for the irrigation of the valley lands, the company is construction an immense reservoir, very close to the city, for the double purpose of holding sufficient water for the needs of all the land below, and furnishing a lake around which a city park is to be constructed within the next few years. The first development of the park is now being made, while over 25 feet of water is being held in reserve for irrigation purposes.

To construct a reservoir an immense dam, 4000 feet long and 60 feet high, is needed. This dam is being built entirely by hydraulic force. Streams of water from pipes 12 inches in diameter are allowed to play against the banks of earth along the hillsides, the earth thus loosened, is carried in flumes to the location of the dam and there it is allowed to fall to the surface, spreading over the dam in a sediment. In this way, it is said, most perfect work will be done, and at a fraction of the expense needed in the ordinary construction of such projects. In the years required to raise the dam to the required heigth, water can be used from the lakes to irrigate the lands below, thus giving a revenue from the system long before it shall have been completed. The work will require about five years.

Orcharditis Attacking People.

With irrigation has come orcharditis. While people have realized for many years that fruit could be grown here successfully, but little effort has been made to develop the commercial side of the orchard until the increase in the price of land forced farmers to cast about for crops of great profitableness. Along the foothills of practically every valley in the county small orchards are being planted, hundreds of acres being the aggregate of land so used each year. As irrigation spreads so spread apple orchards, while cherries and berries are coming into greater favor each season. Along Snake river valley the seasons are early and farmers are coming to realize some of the advantages thus offered in the production of small fruits.

Improving Grades of Stock.

While Baker county is a natural stock range the conditions under which the drover must work are changing rapidly. The "wide open" range of the old days is disappearing, and private range must now be provided for large bands of sheep and cattle. This necessitates heavy investment in land and in equipment, in addition to the expense of maintaining stock on the government forest reserves where possible and it has brought to the county a much better grade of stock than was known a few years ago. Baker county now boasts of some of the best herds of cattle in the state, while the production of wool is as large as that of similar number of sheep in any of the breeding sections of the northwest. And, year by year, the stock conditions are changing to fewer big herds and flocks and to a more common keeping of a few head upon every farm. The construction of packing plants in Portland is already having the effect of encouraging the farmers to produce livestock as well as grain and fruit, with an assurance of a steady market at good prices.

Mountains of Marble.

Marble and granite are undeveloped resources of Baker county. Marble mountain, an immense body of beautiful marble, untouched because of lack of transportation, lies northeast of Baker City, and preparations are being made to develop an immense plant for the cutting and shipment of the valuable stone. In the same district are large deposits of the finest granite, and near Haines a large quarry has been opened, and shipments have been made to many cities in recent years. A beautiful gray building stone, unequaled for exposure to the elements, and a stone of a reddish color, have been quarried in large quantities and are used extensively either in the construction of buildings or in trimming them in many of the cities of the northwest. The deposits are almost inexhaustible.

Wonderful Water Power.

With scores of mountain streams rushing down precipitous canyons, Baker county has power possibilities beyond comprehension. Niagara offered no more opportunity for power development, but the cost of harnessing the streams of Baker would be but a small part of the expense involved in securing power from the famous resort. It is estimated that 250,000 horse power could be developed readily, and an effort is now being made to take from Snake river 25,000 horsepower by boring one simple tunnel. The Ox Bow Tunnel Power company is diverting the stream of the river at the point known as the Ox Bow, forcing the water through a tunnel half a mile in length, with a fall of sufficient depth to create all the power needed in the county for commercial and lighting purposes. The plant and tunnel will be completed this fall.

Railroad Down the Snake.

To aid in the development of the eastern part of Baker county a railroad is being constructed down Snake river from Huntington to Homestead, 70 miles, presumably to connect with the line at Lewiston a litter later. This road is being built in permanent fashion, with heavy steel, most of the line being through heavy rock work. At one place a perpendicular cut of 110 feet is made through a formation verging on granite, and there is scarcely a foot of the entire 70 miles where the ties touch soil. The line will be practically a solid rock roadbed, built for heavy traffic. There is but little doubt that the main transcontinental business will be run over this line as soon as it shall have been completed to Lewiston.

Early Discovery of Gold.

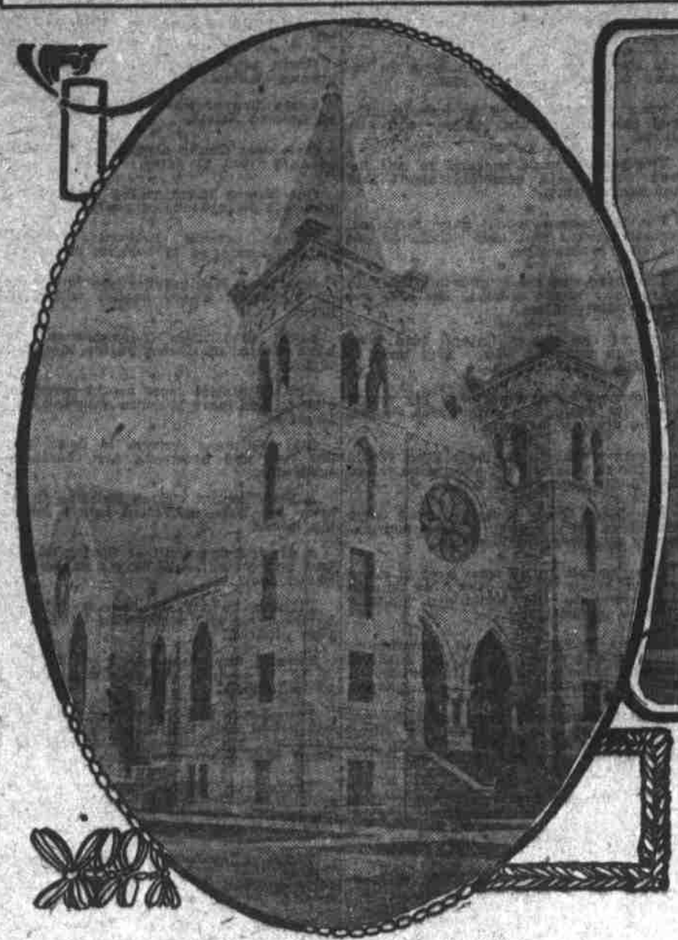
Gold was discovered in Baker county in 1861, and since that time two or three stampedes have occurred. Millions of dollars of mining money have been invested in enterprises in this city and about the country, while enterprises backed by mining men are the rule. In the early days Baker City was the outfitting point for thousands of prospectors, and to this day signs of the gold fever are to be found in the frame hotels and stage barns which the ravages of time have not annihilated. But the old time frenzy has given way to clean business methods. Some of the best producing mines in the county are the Red Boy, the Virtue, North Pole, Cornucopia, Columbia, Rainbow, Humbolt, Imperial, Iron Dyke, Peacock, Uncle Dan, Timber Canyon, Highland, the Arkansaw, Dixie Meadows, Morning, Standard, E. & E., and Indian. F. R. Mellis has a collection of over 600 Baker county ores that has taken medals at three world's expositions.

County Seat Progressive.

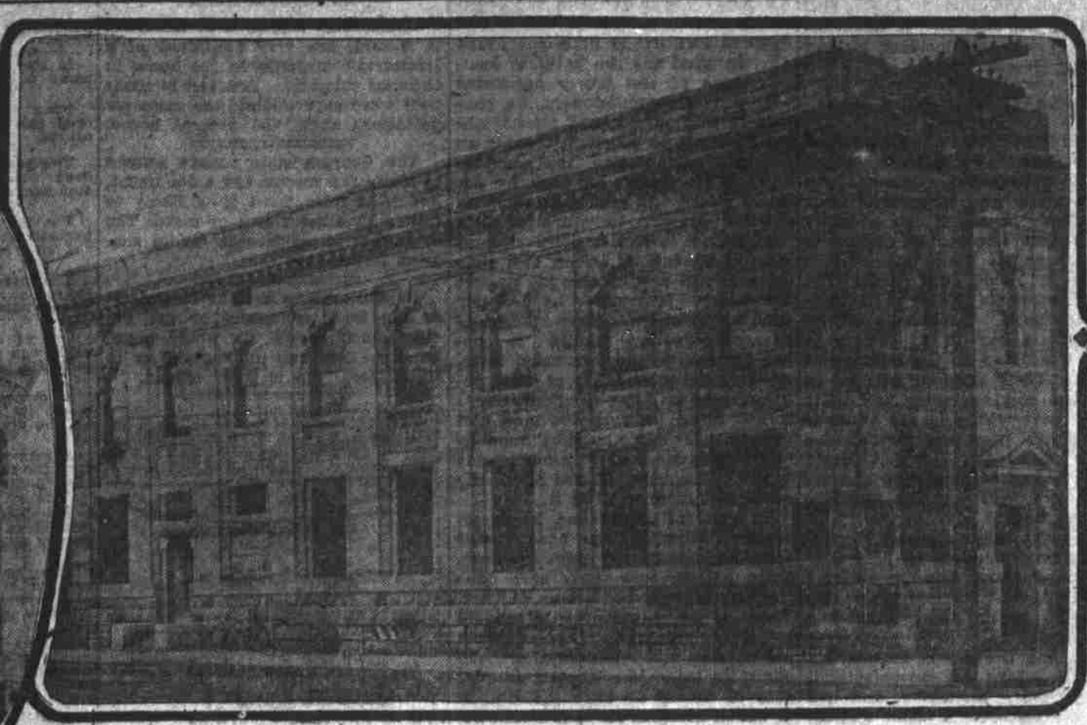
Baker City, county seat and commercial center, is fully awake to the many opportunities lying about, and the present year promises to be one of wonderful advancement. A court house costing $135,000 complete with grounds, was recently finished. A Carnegie library costing $25,000, one of the most beautiful structures in the city, and the pride of her people, is just completed. With a splendid library ready to be installed on the shelves, the people of Baker City are to be given opportunities in literary lines heretofore denied them. Work on the federal building, to cost $150,000 for which appropriation has been made by congress, is soon to begin, plans having been accepted for the structure and the plotting of the grounds. In addition a number of splendid residences are in course of construction. The Citizens National bank building, costing $30,000, has the finest furnishings in eastern Oregon.

For variety of altitude, climate and scenery, Baker county stands in a class by herself. Comprising nearly 2,000,000 acres of land, with mountain and valley, with river and plain, with forest and sage brush, any extreme, or variety, or change, can be found within her borders. While a large part of the county has an elevation of about 2000 feet, mountains raise their heads to an altitude of 9100 in the Elkhorn range where eternal snows protect their brows from the summer sun. The sunshine is delightful, the nights balmy the winters invigorating, the summers short and pleasant. Glorious is her climate, surprising her resources, wonderful her opportunities, magnificent her self-reliance.

Baker City, Pioneer Mining Center and Metropolis of Eastern Oregon



Catholic Cathedral, Cost $50,000.



Citizens National Bank Building, Cost $30,000.

MULE FOOT HOG FREE OF DISEASE

Experiments in Northwest With African Porker Entirely Satisfactory.

(Special Dispatch to The Journal.)

Boise, Idaho, Aug. 16.—The mule foot hog is being introduced into southern Idaho. In character it is in the vernacular of the hog man, about midway between a bacon and a lard hog. Its hoofs are solid like those of a mule and it thereby gets its name.

While this hog fattens and thrives fully as well on the alfalfa, peas and small grain as do the other kinds, if not better, it has a distinct advantage over the others, in that it is not susceptible and, in fact, is immune to all hog disease, particularly cholera. This disease is the one which bothers all hog raisers and kills off thousands of hogs every year.

This is the first time that the Mlue Foot has ever been brought to the intermountain region. The origin of the Mule Foot is rather obscure and its history hazy. It is learned, however, that it came from the eastern coast of Africa and the South Sea Islands.

Experiments Already Made.

Experiments, many and varied have been made by Wayne Darlington at his ranch at Darlington, in the Big Lost River country, between Mackey and Arco. He has a tract of 2500 acres there and maintains a cattle ranch which he holds is the largest mixed cattle ranch in the state. Some time ago he arrived at the conclusion that hog raising would be profitable, as it was possible to raise the best crops of alfalfa in the state and that peas and small grains thrived wonderfully well. The main thing to do was to experiment with the different known species of hog and ascertain which class did the best on the crops grown in the valley. The Poland China, Chester White, Doroc Jersey, Tamworth and Mule Foot hog were all brought there and for the past year experimenting has been going on without abatement. Mr. Darlington found recently that the Mule Foot hog was more particularly well adapted to the character of feed there than any of the others.

JORDAN VALLEY GETS IRRIGATION

Water Appropriated and Site for Reservoir Selected for Private Project.

(Special Dispatch to The Journal.)

Vale, Or., Aug. 18.—The Jordan Valley Irrigation company has filed on a reservoir site of 1500 acres at the head of the Jordan valley, and is filing on water rights preparatory to constructing a private irrigation project in eastern Oregon and southwestern Idaho. The proposed irrigation project will cover land in the proposed Owyhee government irrigation project in southeastern Oregon and south of Boise, Idaho. The reservoir site is in the foothills leading to the mountains in Owyhee county. It is the intention of the promoters to start construction work on the reservoir and canals during the coming fall.

The town of Jordan Valley is located on Jordan creek in Malheur county. Jordan creek is a branch of the Owyhee river.

YEARLING SHEEP BRING $12 EACH

Washington's Sheep King Sells Ramboullet Flock at Record Price.

(Special Dispatch to The Journal.)

Dayton, Wash., Aug. 18.—Representative R. A. Jackson has just sold 400 head of Ramboullet yearlings to Williams & Sprinkle of Chinook, Mont., at $12 a head. The contract calls for shipment next month. Another recent sale for 200 bucks was made to A. A. Wood of Saline, Mich., at the same price. Mr. Jackson was the first importer of Ramboullets from Europe, and he has established a national reputation for breeding this high class sheep and incidentally gave wide advertising to Columbia county and southeastern Washington.

In the exhibit of Representative Jackson at the Alaska-Yukon-Pacific exposition is the world's record single fleece. This fleece, taken from a sheep owned by Mr. Jackson, weighs 67.5 pounds and is displayed in a single case. Another case contains three clips weighing 142 pounds.

At the St. Louis exposition and the National Stock show at Chicago Mr. Jackson took the gold medals and a number of other prizes. It was largely through this advertising that sheepmen all over the country became interested in raising them. In the last two years Representative Jackson has received orders for bucks from all over the United States.

CAR OF GASOLINE AT KLAMATH FALLS

(Special Dispatch to The Journal.)

Klamath Falls, Or., Aug. 18.—The first full carload of gasoline has just been received by the Baldwin Hardware company of this city. Only three or four years ago a 10 case shipment was considered quite an order.

This great increase is accounted for by the large number of tourists who are making the rounds of this country in automobiles. With its natural location, this city is enjoying the benefit of this trade, which is only in its infancy as compared with what it will be when roads are put in good condition, especially the proposed Crater lake road.

Gasoline is not the only commodity affected, either. It is estimated that so far this year 75 automobiles have passed through this city, on pleasure bent to various points in the county, especially Crater lake. Very nearly all, if not all, have remained in the city over night. Here they replenish their gasoline supply, make necessary repairs and purchase innumerable things needed for their trip.

WILLAMETTE VALLEY TOMATOES IN DEMAND

(Special Dispatch to The Journal.)

Eugene, Or., Aug. 18.—The Allen cannery will can all the tomatoes they are able to get this fall, and there are plenty of them planted. The local stock is about exhausted, the Allen cannery not having a case in their house. The local brand is of extra fine quality and is always in demand.

New Depot at McMinnville.

(Special Dispatch to The Journal.)

McMinnville, Or., Aug. 18.—Arrangements are being made by the Southern Pacific Railroad company to erect a new depot here. The old depot is to be moved to the eastward to give room for the erection of the new building and will afterward be used as a freight depot.

WATER SYSTEM FOR FREEWATER

Cost of Plant Will be $15,000—Charter Amended for Bond Issue.

(Special Dispatch to The Journal.)

Freewater, Or., Aug. 18.—For the purpose of bonding the city for $15,000 to construct a water system, a special election of the citizens of Freewater is to be held in the near future. The Freewater charter was recently changed to allow of this procedure, and nothing now stands in the way of the consummation of the plans.

The well will probably be located at the foot of the high bluff running west of Milton and Freewater, while the reservoir will be built on top the elevation in order to give a good pressure to the system. The installation of such a system will be of great benefit not alone to Freewater, but to the north end of Milton as well. The pressure thus secured will be a greatly added protection against loss by fire.

WOULD IRRIGATE 500,000 ACRES

Washington Farmers Plan to Build 100 Mile Canal to Sagebrush Plains.

(Special Dispatch to The Journal.)

Ephrata, Wash., Aug. 18.—That preliminary plans for a big irrigaton project, which will water thousands of acres of sagebrush land in Grant county, are under way, is the information given out by J. M. Spencer of Plains, Mont. Mr. Spencer, who has large land interests in the Crab creek country, says that the farmers in that section have begun preparations to place 550,000 acres under irrigation by means of a pipe line to be built from the Columbia river at Marcus to the Crab creek valley in Grant county.

It will cost $5,000,000 to complete this gigantic undertaking, which will be one of the longest gravity systems in the world. The pipe line will run more than 100 miles before it reaches the nearest land to be watered and the farthest point will be the Columbia river, on the northern boundary of Benton county.

The farmers promoting the enterprise have levied an assessment of 2½ cents an acre on the land to make a preliminary survey. It is the intention of the men behind the proposition to bond it for sufficient capital to finance the system, and by this means it is thought the water can be secured for less than $30 an acre.

PUMPING PLANT ON ROGUE RIVER

(Special Dispatch to The Journal.)

Central Point, Or., Aug. 18.—A new pumping plant has just been installed near Tolo, for the purpose of irrigating a large tract of land in the Ray orchards district.

An immense centrifugal pump with a capacity of 3000 gallons per minute, to a height of 225 feet, and driven by a powerful electric motor, lifts the water from Rogue river and after driving it through more than 10 miles of steel pipe lines, including distributing laterals, delivers it where needed for economical and convenient irrigation. The plant will easily irrigate 3000 acres of land and the company's capacity for developing power is almost unlimited. The present power plant has a capacity of 3000 horsepower and the foundation is already laid where water wheels for developing 3000 additional horsepower may be at any time installed.

The company expects to extend the pipe line system as fast as assured sale for water among the farmers and orchardists along the route.

GOLD HILL WILL HAVE WATER SYSTEM

(Special Dispatch to The Journal.)

Gold Hill, Or., Aug. 18.—An adequate water system is to be installed here this fall. The plans include the laying of a four inch pipe line in addition to the three inch pipe now in use between the power house and the reservoir and the installation of a new pump capable of taking care of the needs of the customers for some years to come, unless there is an unprecedented growth of the city.

Marketing Cascara Bark.

(Special Dispatch to The Journal.)

McMinnville, Or., Aug. 18.—Lafe Morin has just finished marketing 8000 pounds of cascara bark here. He is the largest bark producer in Yamhill county.

INTERURBAN LINE IN BOISE VALLEY

Boston Capitalist Interested in Development of Rich District About Kuna.

(Special Dispatch to The Journal.)

Boise, Idaho, Aug. 18.—An electric interurban line from Boise to Kuna is being financed here and prospects for early construction are promising. The chief promoter of this enterprise is James Adams, a capitalist of Boston, who has been interested in the proposed road by local parties who hold interests along the proposed right of way and who have come forward and guaranteed to put up a considerable amount of money as a bonus to secure such a line. Already some $10,000 has been subscribed by property owners and a guarantee of a free right of way assured providing the road is built and in operation by January 1, 1911.

People living along the right of way feel confident that the enterprise will be carried to a successful end and the line built, as plans are under way for building up a large part of the territory which will be penetrated by the road.

Several artesian wells have been struck along the line of the proposed road. It is believed that within a year the section will be well settled up, and as an inducement for the carline to pass through this district, the land company has offered a bonus, as have also others owning property beyond as well as the Kuna Townsite company, which is anxious to have that promising town connected with Boise by rail. Under the inducements offered all who hold property along the right of way feel confident that the enterprise will be a success.

MAY CEMENT CANAL TO CONSERVE WATER

(Special Dispatch to The Journal.)

Boise, Idaho, Aug. 18.—A force of engineers representing the Ridenbaugh canal district have gone to make a survey along the ditch line for the purpose of ascertaining the cost of installing cement fluming for next season. Since the two bad breaks this summer there has been considerable demand from ranchmen relative to cement fluming for the canal, it being urged that although the first cost would be heavy, there would be no seepage of water and the yearly maintenance of the ditch would be far less than at present. The feasibility of the proposition will be thoroughly looked into by the managers.

WHEAT LAND SELLS FOR $112 AN ACRE

(Special Dispatch to The Journal.)

Weston, Or., Aug. 18.—When Donald McKinnon sold his quarter section of land to Joseph Key for $18,000, a new price was set on Umatilla county wheat land. Mr. McKinnon resided two miles from town. The price is at the rate of $112.66 an acre, and indicates that Weston land is regarded as worth something by those acquainted with its unexampled fertility. Mr. Key started with a shoe string, and now owns about 450 acres, farming considerable rented land besides. Mr. McKinnon will go the Alberta country, where his son is located.

PLANTING ORCHARDS AT CENTRAL POINT

(Special Dispatch to The Journal.)

Central Point, Or., Aug. 18.—The dividing of large farms into small home tracts, the planting of orchards, the rapid development of mining and timber properties, the building of substantial factories, business blocks and residences, the installation of a modern waterworks system and other public improvements, and the phenominal increase in population are factors in continued prosperity of Central Point.

ARTIFICIAL STONE PLANT EXPANDS

Likely Industry Developing at Klamath Falls—New Use for Clay Deposits.

(Special Dispatch to The Journal.)

Klamath Falls, Or., Aug. 18.—To extend the manufacture of artificial stone and brick by an hydraulic process the Hydraulic Stone & Brick company has erected a building and installed a plant of modern machinery here.

The materials for the cement block are prepared and placed in a mold, the back being a mixture of cement, crushed rock and sand at a percentage of five or six to one and the facing being a mixture of sand and cement at a mixture of three to one. By the use of levers a pressure of 100,000 pounds to the square inch is exerted, thus producing a block of even density in which all the component parts are brought together to form a solid mass.

Bricks are made of a mixture of three to one and are the equal of what is commonly known as pressed brick, with many points of superiority. They can be made in any desired color, though it is doubtful if any one will desire other than the natural gray, as its appearance is both lasting and pleasing to the eye. Several thousand of these bricks have been made and are superior to anything ever seen in the city.

In addition to the brick and blocks the company is preparing to manufacture sewer pipe. Machines for this purpose have already been ordered and are expected here in a few days.

Paving blocks and tile will be added and within the next year this company will be furnishing employment to local labor and have a weekly payroll of several hundred dollars.

$8884 FROM 22 ACRES OF PEARS

Largest Bearing Orchard in Oregon Makes Record Production.

(Special Dispatch to The Journal.)

Medford, Or., Aug. 18.—From 22 acres planted to pear trees, 6445 boxes of fruit were taken and sold for $8884 on board cars here. Forty acres of pears have for years averaged over $500 an acre net to the owners. The average yield of both pears and apples is $600 an acre.

The Burrell orchard, with this record, is the largest bearing orchard in Oregon and a famous producer, having never had a crop failure.

There are 560 acres in the property, which is situated three miles south of Medford. Fine buildings and complete equipment make the orchard one of the show places of the valley.

HOOD RIVER FRUIT LAND PURCHASED

(Special Dispatch to The Journal.)

Hood River, Or., Aug. 18.—J. E. Robertson, Alex E. Reed and J. M. Culbertson have purchased 800 acres of fruit land from the Stanley-Smith Lumber company for the purpose of platting it into small tracts. The tract is said to contain some of the finest apple land in the valley. One section of it can be reached by the river road and the new road across Post canyon will also make a direct route to it.

It is understood that the price paid was $80 per acre.

DREDGE OREGON BUSY IN COOS BAY

(Special Dispatch to The Journal.)

Marshfield, Or., Aug. 18.—The dredge Oregon is running with a double crew, working day and night, so as to get the shoals cleaned out before she leaves here in October. An average of four feet of mud is to be taken out of the channel between here and Porter, the depth in the channel at present being 14 feet at low water.

BUIDING NEW BRIDGE OVER THE CALAPOOIA

(Special Dispatch to The Journal.)

Brownsville, Or., Aug. 18.—The steel for the new bridge over the Calapooia river has arrived and is being taken to the river. As soon as the expert overseer, sent out by the manufacturers of the bridge, arrives, the work of erecting the bridge on the new concrete piers will be commenced and the work pushed to completion as rapidly as possible.

INDIANA MINE TO BEGIN OPERATIONS

(Special Dispatch to The Journal.)

Baker City, Or., Aug. 18.—The Indiana mine, near Medical Springs, is to begin work August 20. Miners are being gathered and the company intends to continue work indefinitely. Offices are being established in this city and one of the company's officers will be in charge while Mr. Messner, who has been with the Indiana for some time, will have general management of the work.

ROSEBURG TO CELEBRATE COMPLETION OF PAVING

(Special Dispatch to The Journal.)

Roseburg, Or., Aug. 18.—When the contractors shall have completed the paving of 20 blocks of Roseburg's streets a jubilee celebration and carnival will be held. The exact date of the celebration has not been settled, but it will be the latter part of September. The city then will be lighted by a new system of street lights.

STRAWBERRIES PAY WELL AT BEND

(Special Dispatch to The Journal.)

Bend, Or., Aug. 18.—That strawberries can be grown at Bend in a most succesful manner has been amply demonstrated this season by I. J. Wilkinson on his ranch east of town. From one tenth of an acre he picked 300 quarts, and found a ready sale for all he had at 25 cents a quart. This means a revenue of $75 from the tenth of an acre or at the rate of $750 per acre.

Bend berries come onto the market after the crop from the early ripening sections has gone and gone. That leaves an open market which will always insure a fair price.

Large Acreage in Potatoes.

(Special Dispatch to The Journal.)

Union, Or., Aug. 18.—Over 400 acres of potatoes in the vicinity of Union this season promise a bumper crop and the quality will be first class.

STOMACH LIVER LUNGS

Each of the chief organs of the body is a link in the Chain of Life. A chain is no stronger than its weakest link, the body no stronger than its weakest organ. If there is weakness of stomach, liver or lungs, there is a weak link in the chain of life which may snap at any time. Often this so-called "weakness" is caused by lack of nutrition, the result of weakness or disease of the stomach and other organs of digestion and nutrition. Diseases and weaknesses of the stomach and its allied organs are cured by the use of Dr. Pierce's Golden Medical Discovery. When the weak or diseased stomach is cured, diseases of other organs which seem remote from the stomach but which have their origin in a diseased condition of the stomach and other organs of digestion and nutrition, are cured also.

The strong man has a strong stomach. Take the above recommended "Discovery" and you may have a strong stomach and a strong body.

GIVEN AWAY.—Dr. Pierce's Common Sense Medical Adviser, new revised Edition, is sent *free* on receipt of stamps to pay expense of mailing *only*. Send 21 one-cent stamps for the book in paper covers, or 31 stamps for the cloth-bound volume. Address Dr. R. V. Pierce, Buffalo, N. Y.

S.S.S. CURES OLD SORES

If an old sore existed simply because the flesh was diseased at that particular spot, it would be an easy matter to apply some remedy directly to the place that would kill the germs; or the diseased flesh might be removed by a surgical operation and a cure effected. But the very fact that old sores resist every form of local or external treatment, and even return after being cut away, shows that back of them is a morbid cause which must be removed before a cure can result. Just as long as the pollution continues in the blood, the ulcer remains an open cesspool for the deposit of impurities which the circulation throws off. S. S. S. cures Old Sores by purifying the blood. It removes every trace of impurity and taint from the circulation, and thus completely does away with the cause. When S. S. S. has cleansed the blood, the sore begins to heal, and it is not a surface cure, but the healing process begins at the bottom; soon the discharge ceases, the inflammation leaves, and the place fills in with firm healthy flesh. Under the purifying and tonic effects of S. S. S. the system is built up, and those whose health has been impaired by the drain and worry of an old sore will be doubly benefited by its use. Book on Sores and Ulcers and any medical advice free to all who write.

THE SWIFT SPECIFIC CO., ATLANTA, GA.