

Phases of Industrial Growth in the Pacific Northwest

ACRE YIELDS \$5000

Wallowa Farmer Makes This Estimate on Berry Crop.

2 QUARTS ON EACH PLANT

With 23,000 Plants to Acre, G. A. Miller Figures Out That His Patch of Strawberries Should Return Him \$5000.



WALLOWA STRAWBERRY BED, OF THE SORT WHICH IS MAKING OWNERS RICH. G. A. MILLER'S STRAWBERRY FIELD.

WALLOWA, Or., July 4.—(Special).—Strawberries are a profitable crop all over the Northwest, but there are few places where they produce larger returns than in the Wallowa Valley. There are no large fields of berries here, but there are many small ones that are yielding immense returns for the labor and investment which they represent.

G. A. Miller last year received nearly \$200 net from less than one-fifth of an acre. This year he has improved his fields, and as the season is one of the best he expects to greatly exceed that yield.

Mr. Miller is a close student of berry culture, and he has learned some interesting things in regard to berry culture in this particular vicinity. He finds that berries produce best when planted in rows alternating two feet and three feet apart, and with the plants nine inches apart in the rows. This gives over 23,000 plants to the acre. Mr. Miller estimates that this year's yield will average two quarts to the plant, making a total yield of 46,000 quarts an acre. The price he receives has never been less than 50 cents a gallon. At this rate the gross return would be more than \$5000 an acre in a single season. This, of course, is an exceptional yield, but Mr. Miller asserts that with proper care strawberries can be made to average \$3000 an acre each year.

The result of his experiments discloses the fact that one man can care for one acre of berries at all times except when cutting the runners and picking the fruit.

Land of the same quality, but unimproved, was bought in this vicinity for from \$25 to \$50 per acre.

OREGON'S MOTHER LODE

Government Describes North Pole-Columbia Ore Vein.

OREGONIAN NEWS BUREAU, Washington, July 4.—The Cracker Creek mining district, in the northwestern part of Baker county, Oregon, is a small part of the Blue Mountain gold belt of the state, and as generally defined comprises the drainage basins of Cracker and Fruit creeks. The principal mines in this district are the North Pole, Eureka, Excelsior, Columbia and Lyona, all located, from northeast to southwest in that order, on one persistent fissure, the North Pole-Columbia vein, or "mother lode," as it is generally designated. The aggregate production of the mine on this lode is estimated to be at least \$7,000,000.

At present the Columbia is the only producing mine in the district, but the suspension of operations in most of the others is believed to be temporary and not caused by exhaustion of the ore bodies. In addition to the mines above mentioned there are a number of smaller mines and prospects on which annual assessment and considerable development work is being done.

In November, 1908, during the progress of field work on the Sumpter quadrangle, in the northern part of the Cracker Creek district, J. T. Pardee, of the United States Geological Survey, took advantage of the opportunity to visit the underground workings of the Columbia and North Pole mines, and he has prepared a report which is published in the Survey's "Contributions to economic geology, 1908, Part 1." The report treats chiefly of faulting and vein structure in the district, and the following practical conclusions are deduced:

"The results of structural study in the Cracker Creek district indicate that the 'mother lode' is not notably displaced by transverse faults. Within the vein itself, however, there are faults which affect the ore bodies. Some of the smaller veins have been offset by faulting. The fact that the faults of known attitude are normal, and that in mining operations upon them the horizontal movement upon them is most of the component is commonly as important as the vertical one, should be taken into account in the development of such ore bodies as have been displaced."

Bulletin 350-A, containing Mr. Pardee's paper, may be obtained free of cost by applying to the Director of the Geological Survey, Washington, D. C.

MOSIER BANK ORGANIZED

Institution of Home Capital Ready for Business Tuesday.

MOSIER, Or., July 4.—(Special).—Organization of the Mosier Valley Bank has been completed and the institution will be open for business Tuesday, July 6. The temporary quarters of the bank will be in a store which has been vacated for the purpose, and fixtures and a burglar-proof safe are now being installed.

The capital stock of the institution has been subscribed at Mosier, and its directors are: J. N. Mosier, owner of the townsite; A. P. Bateman, manager of the East Hood River Fruit Company; J. P. Carroll, manager of the Mosier Fruit growers' Union; Alex Stewart, Postmaster, and Robert M. Ross, a well-to-do rancher.

The bank's officer is J. N. Mosier, president; Alex Stewart, vice-president, and R. M. Ross, cashier.

GOLD LIES AT CITY'S DOOR

Rush Expected to Strike Made Near Vancouver, B. C.

VANCOUVER, B. C., July 4.—(Special).—A reported strike of good placer gold yesterday in the basin of Seymour creek, three miles from the city, was confirmed today by J. L. Marriott. An Australian prospector, who discovered and returns yielded thus far show \$150 to \$200 per ton. Pans taken by Marriott and seventeen stakers run from 10 to 20 cents each.

Shuiling operations have been begun on the property and present indications are that a regular mining rush to the scene of the new discovery at the city's front door will soon be on.

CLUB DOES GOOD WORK

KLAMATH FALLS BUSINESS MEN LEND AID.

Chamber of Commerce Is Well Financed for Publicity Work Undertaken.

KLAMATH FALLS, Or., July 4.—(Special).—Klamath County has among its institutions a Chamber of Commerce that is doing much to attract to Southeastern Oregon a good class of people. It was reorganized a little more than a year ago with a board of directors that was given entire charge of the business of the organization, general meetings of the membership being made quarterly instead of monthly, as had been the case.

This concentration of responsibility involved much labor on the men selected to compose the board, but they have given freely of their time and energies for community good, and welcome the more general support that has been accorded recently by citizens generally in furthering the public matters that have been deemed of such importance as to have the attention of the body.

"Railroad day" is the date from which future historians of Klamath will date their record of the modern city and progressive region of modern transportation facilities. In its inception the decision was reached to handle the Railroad day celebration as one of the various incidents of the year to be taken care of, and its financial support was provided in a general fund subscribed by business men and property-owners, payable monthly for one year, thus creating a permanent fund that would put the organization on a business basis.

The board is composed of the following members: W. A. Daisell, president; George T. Baldwin, vice-president; E. H. Dunbar, W. H. Dolbeer, Frank Ira White, Alex. Martin, Jr., and E. B. Hall. This is a bunch of hearty boosters, and with the active support given them by a lively lot of business men, have been doing a great deal to advance the Gateway City of Southeastern Oregon.

PAVED AREA GROWS

WARD SURFACE FOR 32 BLOCKS IN ALBANY.

Property-Owners of Linn County Metropolis Anxious to Improve City's Appearance.

ALBANY, Or., July 4.—(Special).—Albany's first paved district, the work on which was completed Saturday night, includes First street from Washington to Perry, Broadalbin and Ellsworth streets from First to Second streets, a total of seven blocks. This has helped the appearance of the business section of the city wonderfully, but its greatest result was the arousing of public interest in paving and the work completed last night is but a beginning in Albany.

Advertisements are now running calling for bids for the paving of a second district of seven blocks, covering Second street from Washington to Lyon and Perry, Broadalbin and Ellsworth streets from Second to Third streets. Work will begin on these streets within a few days. The Council has also ordered the paving of First street from Calapooia to Washington and also from Lyon to Montgomery, Lyon street from First to Tenth and Perry street from Third to Ninth and has begun the necessary legal procedure

CATHOLICS BUILD RECTORY

Splendid Structure Added to Group of Church Buildings in Albany.

ALBANY, Or., July 4.—(Special).—A magnificent rectory has been added to the list of splendid Catholic buildings in this city. The exterior of the building was completed this week and work is progressing rapidly on the interior.

The Roman Catholic Church here is one of the most beautiful in the state and with St. Mary's Hospital and the Academy of Our Lady of Perpetual Help, all of which are situated on grounds of unusual attractiveness, form one of the best groups of Catholic buildings on the Pacific Coast. Lying close to the Union Depot they attract considerable attention and admiration from visitors to this city.

The new rectory is situated at the corner of Ninth and Ellsworth streets, on the same block with the church and academy and is an important addition to this group of beautiful buildings. It will soon be occupied by Rev. Father Arthur Lane, rector of the local Catholic Church, who is a grandson of Joseph Lane, Oregon's first Governor and one of its first United States Senators, and a son of Lafayette Lane, one of the state's early Congressmen. He is also a cousin of Harry Lane, ex-Mayor of Portland.

POSTAL RECEIPTS GROW

Albany Office Shows Healthful Increase in Business for Past Year.

ALBANY, Or., July 4.—(Special).—The receipts of the Albany postoffice for the past quarter show the customary increase.

MATERIALS AT HOME

NORTHWEST HAS CEMENT, STONE AND MARBLE.

Geological Survey Shows All Material for Building Is Close at Hand.

OREGONIAN NEWS BUREAU, Washington, July 4.—The rapid growth of cities in Oregon and Washington has caused a great demand in these states for structural materials of all kinds, and although some of these materials are locally abundant and satisfactory, others have to be brought from great distances. Common bricks, which form the principal components of most buildings, are made in the vicinity of all the cities, even within the city limits, and the supply of loam suitable for making these is very great. Gravel and sand for concrete and sand for mortar are obtained in large quantities in the immediate vicinity of the cities. Cement, however, which is so extensively used in concrete, is produced at only one place in the two states, and most of that used is brought from distant points, much of it being imported from England, Germany, Belgium and Japan. Building stones are hauled many miles, especially the kinds used for interior decorations, most of which are shipped across the continent. High-class brick, terra cotta, lime, plaster and many other building materials used in this region are produced at distant places.

Yet the cost of most supplies that are now brought from distant places can be reduced by utilizing the local resources of Washington and Oregon. Limestones available in ample supply for cement manufacture; building stones, even to the finest marbles, exist in some of the mountainous parts of the state; deposits of clay, sands and other building materials occur at many localities near the coast. An investigation intended mainly to as-

DAIRY PROFITS BIG

Tillamook's Output May Exceed \$500,000 This Year.

CHEESE OF HIGH QUALITY

Ready Market for Factory Products. Farmers With Small Herds of Cows Make Money With Which to Improve Lands.

TILLAMOOK, Or., July 4.—Never before in the history of the dairying industry in Tillamook County have the checks paid the dairymen for the month of May been so large as this year, while all the cheese factories thus far report a large increase in the amount of cheese manufactured. Two years ago, in 1907, was the banner year for the highest prices ever paid for butter fat in this county, when it averaged about 36 cents per pound, but from present indications, it will go above that amount for this year, also for the quantity of cheese manufactured and the excellent quality of the cheese placed upon the market, for all the cheese turned out of the co-operative association's factories is examined and passed upon by an expert inspector before it leaves the factory, all first-grade cheese bearing his stamp.

Every year marks a decided increase in the cheese manufactured in Tillamook County, which is assuming large proportions and bringing considerable money into the county. In proof of this, Captain Haberlach, who is secretary for several of the co-operative associations and individual factors, handled cheese to the amount of \$350,000 last year, while this year he will handle about \$375,000 for cheese, and from present outlook, the output of cheese from Tillamook County will amount to between \$500,000 and \$600,000. One striking and pleasing feature of the returns just compiled for the month of May, or they should that never before have dairymen received such high prices for butter fat for that month. And as an illustration of this, M. W. Harrison's check for May was \$547.77; B. and A. Maroff, \$256.38, and Mrs. A. L. Donaldson, \$368.28. Thirty-four of the dairymen received checks for May for over \$300 each.

There are several hundred dairymen whose checks amount to between \$300 and \$500, and quite a large number below that amount. Not only are the large dairymen doing well, but owing to the high price which prevails for Tillamook County's famous cheese, which is at a premium on the market, dairymen with but a small amount of land cleared and with only a small herd of cows, are making comfortable livings. At the same time, they are clearing up more land, and in a few years they will be amongst the large dairymen of the county.

certain the local resources of the gravel, sand and crushed rock used in concrete in Portland, Seattle and Tacoma has recently been made by N. H. Darton, of the United States Geological Survey, and a report on the work, published by the Survey as Bulletin 357, is available for free distribution. Representative samples of the structural materials were obtained to be tested in the St. Louis laboratories of the Survey, and considerable attention was given to the occurrence of limestone suitable for the manufacture of cement, many localities being visited in that connection.

The demand for building materials in the Northwest is well indicated by the fact that in 1908 building operations in Seattle involved an expenditure of \$11,920,433 for labor and materials, and in 1907 an expenditure of \$13,577,700. In Portland the amount in 1908 was \$6,927,971, and in 1907 it increased to \$9,446,932.

Mr. Darton's report also gives references to other sources of information in regard to building materials available in the region treated. Applications for the report should be addressed to the Director of the Survey at Washington, D. C.

COASTING TRADE IS HEAVY

Nine Steamers Due in Portland From South in Next Two Days.

During the next two days nine coasting steamers are due to arrive in Portland. Merchant Exchange reports show that during Friday and Saturday that number of coasting vessels cleared from San Francisco for Portland. With ordinary weather conditions they should arrive at Astoria during the next two days.

Due to arrive during the period named are the steamer F. S. Lopez, Astoria; Jim Butler, Argyll, Shoalwater, Cape State of California; J. Marhofer and Northland. Of this number all are steam schooners with the exception of the State of California, which is a regular passenger packet in the service of the San Francisco & Portland Steamship Company. (The steamer with cargo aboard, with the exception of the Argyll and Astoria, will leave for California ports with general cargo and lumber.)

Breakwater Arrives From Coos Bay.

With 80 passengers and a large quantity of general freight from Coos Bay ports, the steamship Breakwater, Captain Macgann, arrived yesterday afternoon at 4:30 o'clock. The Breakwater made a fast trip up the coast and encountered only ordinary weather. The wind was moderate and blew from the northwest during this season of the year the prevailing winds are from that direction and there will be a westerly swell during the summer months the northbound steamers make slow passages.

Arrivals and Departures.

PORTLAND, July 4.—Arrived—Steamship Geo. W. Peck, from Astoria and way; steamship Breakwater, from Coos Bay; Astoria, July 4.—Arrived at 4 A. M. and left up at 6:45—Steamer Breakwater, from Coos Bay; and at 8 A. M.—Steamer Argosy, from Seattle; and at 9 A. M.—Steamer Daisy, from Seattle; and at 11:30—Steamer Geo. W. Elder, from Astoria; and at 1:30—Steamer M. Smith, from Coos Bay; weather cloudy.

San Francisco, July 4.—Sailed at 5 years—Steamer Shoshone, for Portland; at 8 P. M., steamer Roanoke, for Coos Bay; Astoria, July 4.—Sailed at 5 P. M.—Log raft in tow Sea Rover, steamer The Mitchell, from South Bend; steamer Daisy for Coos Bay. Left up at 9:30 last night—Steamer Sea Rover, from Astoria; and at 11:30—Steamer M. Smith, from Coos Bay; weather cloudy.

Tides at Astoria Monday. High. 1:30 A. M., 9:3 feet; 8:30 A. M., 14 feet; 3:03 P. M., 7.8 feet; 8:40 P. M., 3.2 feet.

CHURCHES AND RELIGION

A Few Remarks on the General Tendencies of the Time.

PORTLAND, July 4.—(To the Editor).—In its origin Protestantism was the negation of authoritative Catholicism, and the creation of a new type in America was a denial of authoritative Protestantism. The right of private judgment in the interpretation of the Scriptures means the right that "any man of strong and aggressive mind, who sets his heart upon it, may hope to build up a church in which he will be recognized as the prophet and profiter." The private judgment of countless numbers are out the highly distilled private judgments of Luther, Calvin, John and Charles Wesley, Whitefield and the other reformers. In the early days in America Roger Williams, John Cotton, John Davenport, Cotton Mather, Jonathan Edwards, and others, the judgment, the "new lights" were wise; the Quakers and Shakers helped some, and later on in the backwoods of Kentucky the great awakener, Rev. Jim McCreary, with the "shillings" "jerks," "barking," "the holy laugh," "the power" and "treeing the devil," added pressure to the atmosphere and vigor to the soul. In Europe Protestantism was saved to the world by the exigencies of politics, but in America it is in the work out its own destiny. Early here conflicting religious theories brought home to the mind that while Protestantism was a "protest against religious despotism, it exercised a like power of revolution more disturbed tradition and vested privilege than in the domain of the relation of church and state, the ideals of the time were placed in the first amendment of

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the Federal Constitution, which forbade Congress to make any law "respecting an establishment of religion" or prohibiting the free exercise thereof.

Between 1830 and 1860 Protestantism split again and again from doctrinal differences, lost from a decline of its religious authority and the liberalizing tendencies of the United States. In 1830 claimed 600,000, and in 1860 4,500,000 and today about 11,000,000 communicants representing millions more; while the parochial schools and colleges of that church are increasing yearly, Portland itself being the best evidence of this. The tendency of Protestantism today in the United States is toward a more united front. In "National Ideals Historically Traced," in the 27th volume of the "American Nation, a History," recently out of the press:

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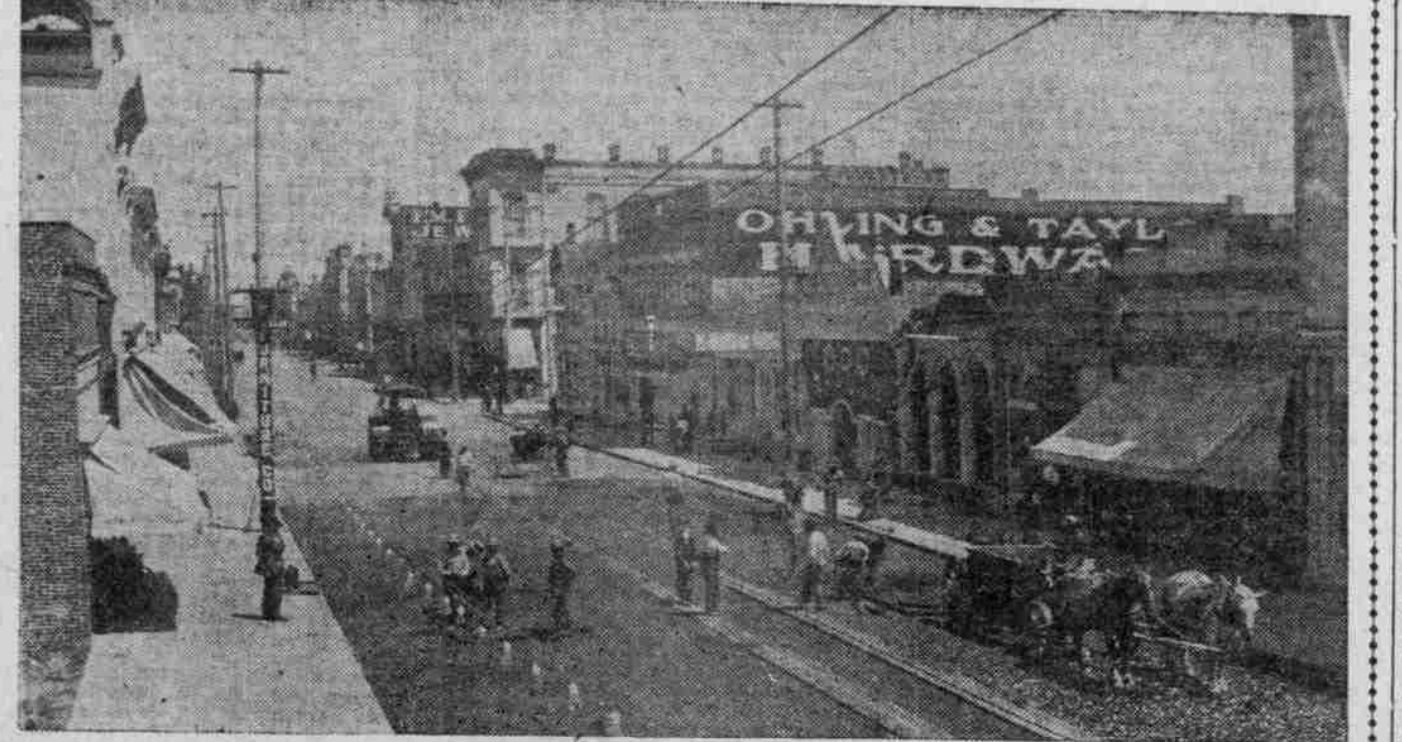
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