

by considering the number of large and well-stocked mercantile establishments and other enterprises, which are classified as follows:

GENERAL MERCHANDISE—Cohn & Co., William Olsen, George Edmunds. D. T. Edmunds, J. A. Todd & Co., McIntosh & McNair.
 DRUGGISTS—S. J. Sturgeon, Chas. I. Clough.
 HARDWARE—W. H. H. Carey, McIntosh & McNair.
 FARM IMPLEMENTS—C. A. Bailey.
 FURNITURE—Nels. Thompson.
 HARNESS—R. Ackley.
 STATIONERY AND CONFECTIONERY—B. C. Lamb.
 RESTAURANT AND CONFECTIONERY—Frank Wheeler.
 SHOE STORE—P. F. Brown.
 MEAT MARKET—Maurice Leach.
 HACKET STORE—A. E. Imbler.
 SALOONS—C. E. Hadley, J. S. Lamar.
 LIVERY BARN AND SALE STABLES—Tillamook & North Yamhill Stage Line Co.
 JEWELERS—A. Letcher, H. McDermott.
 MILLINERY—Mrs. S. J. Sturgeon, Mrs. Newman.
 LAUNDRY AND DYE WORKS—J. W. Atwater.
 HOTELS—Larsen House, M. H. Larsen; Allen House, J. P. Allen; Tillamook Hotel, Emmett Quick & F. R. Smith.
 BARBERS—Chas. Peterson, I. Simler, Edgar Latimer.
 TIN STORE AND CENTRAL TELEPHONE OFFICE—J. E. Tuttle.
 SECOND HAND STORE—W. E. Page.
 INSTRUMENT TUNER AND REPAIRER—F. C. Shanahan.
 FISH MARKET—C. T. McKinley.
 SHOEING SMITH—Charles Wolf.
 BLACKSMITH—I. F. Larsen.
 MACHINIST AND BLACKSMITH—L. Hiner.
 PLUMBERS AND TINSMITHS—W. H. Cary, B. H. Bunn, J. E. Tuttle.
 CARRIAGE MAKER AND GENERAL WORK—W. V. Morgan.
 CABINET MAKER—Nels. Thompson.
 PAINTERS AND DECORATORS—Fred Sappington, H. Gessner.
 PHOTOGRAPHER—O. Heins.
 CARPENTERS—A. S. Broadhead, C. Ooley, G. L. Hunter.

SAW MILLS AND LUMBER YARDS—Tillamook Lumbering Co., Pacific Lumber Co.
 WATER WORKS COMPANY. ELECTRIC LIGHT COMPANY
 TILLAMOOK LOGGING COMPANY. COHN & CO., SALMON PACK RS.
 W. OLSEN, CANNERY. P. M. MCINTOSH, CHEESE FACTORY.
 TILLAMOOK DAIRY ASSOCIATION. TILLAMOOK CREAMERY COMPANY.

BANKERS—C. & E. Thayer.
 DOCTORS—David Wiley, C. E. Hawke.
 DENTISTS—W. A. Wise.
 ATTORNEYS-AT-LAW—Claude Thayer, B. L. Eddy, Handley & Handley, W. J. May, W. H. Cooper, A. W. Severance, T. H. Goyne, G. O. Nolan, I. T. Maulsby.
 REAL ESTATE—F. R. Beals, T. H. Goyne, Thos. Coates.
 NEWSPAPERS—The Tillamook Headlight, Fred C. Baker, editor; Tillamook Herald, R. M. Watson, editor.
 POSTMASTER—A. W. Severance.
 SEMINARY—St. Alphonsus Academy.

The capital represented and employed in the various businesses in Tillamook City aggregate, perhaps, two hundred and fifty thousand dollars.

The Tillamook Mines.

To those who have imbibed the notion that the whole coast range, with adjacent strata, belonging to the middle tertiary, the formations being an unaltered sandstone, as taught in the books, it will be a surprise to learn that quartz veins are found on the western slope of the mountains, metal-bearing quartz veins at that. Such is the case, and the discovery of these veins, some years since, was the occasion of quite a "rush," the most of the prospectors and would-be miners coming from Portland. The claims were mainly on the South Trask river, but the best were on the main Trask and south side of the stream. The country rock is described as sandstone, running into a smooth "whetstone rock" (perhaps novaculite.) Limestone of a doubtful age, and a rock called soapstone are found, the latter giving suggestions that the formations may be cretaceous—suggestions not disputed by the presence of the limestone. The veins all have iron caps and the principal leads are from four to five feet in thickness, with many "stringers" and spurs. The vein-stuff is quartz mainly, with some calcite and magneste, and contains a great deal of sulphurets. Most of the veins contain no gold or silver, which a small number possess a little of. One assayer laboring for a long time upon Tillamook rock, gave returns of 25 to 50 dollars per ton, while others got nothing at all from the same rock. For a time the miners (50 or so had gathered) encouraged by the high assays, persisted in prospecting, and took up a great many claims, only to abandon them later and move to more promising fields, and no one is left in the Tillamook mines, at present although several profess to believe that "there is something in them." The principal claim was known as the Bear Wallow, on the main Trask river. It was worked by an East Portland company, who ran a tunnel for 80 or 90 feet and spent a thousand or two of dollars, incited thereto by finding a little good rock on top, but this gave out quickly. No other claims were worked to this extent, but barely prospected a little and assays made, whose results as has been too often the case in Oregon, depended wholly on the assayer. A quarter of a ton of rock from the Maud claim was shipped to East Portland and worked by crushing and malgaming and returns of \$66 per ton were said to have been achieved.

GOOD SCHOOLS IN TILLAMOOK.

Conveniently Located Throughout the County with Efficient Teachers.

There is one question which the home seeker always asks before immigrating to a new country. What are the educational facilities in this or that community is a query well worth his consideration. No parent desires to see his children grow to manhood in ignorance. Hence if we can point with pride to a good system of schools, over which preside competent teachers, we are holding forth a very strong attraction indeed to the immigrant. This we claim. According to the clerk's report on March 1, 1899, there are in the county 1,672 persons between the ages of four and twenty years of age. This, a marked increase over former years. The enrollment in the year 1898 was 1,140. At first glance this would seem that a large number of the children were not in any school, but many attend private schools, which accounts for the apparent lack of attendance.

The estimated value of school property in the county will exceed \$30,000. \$7,775 were paid for teachers salaries during the year 1898.

The county is divided into 47 school districts. Being a large county, some of these districts are necessarily large, but as the country settles these schools are being sub-divided, thus affording school privileges to a greater number of children.

Our country schools are as good as in any county in the state, many are excellently equipped with valuable apparatus, supplies which would do credit to many of our town schools.

Much improvement is being made in our schools. A new interest is being aroused in the patrons. School boards now look for more competent teachers, evidently realizing from experience that the low priced teacher is not the cheapest in the end, that experience and professional study and training enable the teacher to do a superior grade of work. They no longer take the view that anybody, who fails in everything else can teach school. The greater interest manifested by parents and teachers, the general advancement of pupils prove the policy to be a wise one.

Our pleasant climate is an attraction to teachers from various parts of the state who enjoy a vacation spent in teaching in some pleasant country school. Thus it happens that among our teachers are frequently registered some of the leading educators of the state.

In 1898 the average salary of teachers was advanced \$4.30 over that of 1897. 1899 has also brought an advance.

All the schools of the county will be required to conform with the state course of study now in preparation by the state board of education.

The school at Woods, also the Nehalem school, are models of neatness and efficiency, being a credit to the towns.

The Fairview school employs two teachers and is well equipped, being situated in the midst of a rich farming district.

At Bay City, overlooking the quiet waters of Tillamook bay and the broad Pacific, is situated the most picturesque school building in the county, a four room building erected in 1895 at a cost of \$3500. Here we find a well organized school.

Tillamook City is becoming quite an educational town. Here is a well equipped public school giving a thorough course of instruction to the 10th grade work. No better will be found in in the state.

The St. Alphonsus Academy is another school of which we speak of with pride. Here a thorough course, in all the Academic branches, is offered, as well as in the Business and Music courses.

As the country improves so the schools improve. It is said that a government is what the people make it. Can we not say the same of our schools. If patrons and teachers co-operate, striving to make the school the best in the country it will be so.

Our schools are good, but let us make them better throughout the length and breadth of our land. In the city, town, and village, on the rolling prairie and in the quiet mountain valley, we find the public school. Teachers and parents, co-operate, guard with a jealous eye the "Poor Boy's College."

GEO. B. LAMB, School Superintendent.

A Spry Old Settler.

Every Tillamooker has a smiling regard for Mr. William N. Vaughn, a pioneer of 1852, who is still as spry as a kitten. It was in September of that year that Mr. Vaughn was one of a party bent upon reaching Tillamook either by hook or by crook. Their attempt by way of the Grand Ronde proved a failure, and in December of the same year the party came round by boat. Mr. Vaughn settling near the Kilchis river where he now resides. He was married in 1858. They raised fifteen children and have now direct twenty descendants, children and grand children, and out of the entire flock, only one has been lost. Mr. Vaughn's farm now consists of 300 acres and he milks 29 cows. He runs his own creamery and separator by water power, and his receipts amounted to \$1150 last year. The farm machinery which he requires cost him about \$75 per year. He feeds his cows from December to the middle of April with roots, about 50 tons, but no mill feed. Pays out nothing for wages. He has 60 acres in meadow, and 150 in pasture. The meadow two tons of hay per acre.

Tillamook County Officials.

Representative—J. W. Maxwell.	Assessor—J. S. Stephens.
County Judge—G. W. Sappington.	Deputy—Thomas Coates.
Commissioner—C. H. Wheeler,	School Superintendent—Geo. B. Lamb.
" Charles Ray.	Treasurer—W. H. Cary.
Clerk of County Court—Homer Mason.	Surveyor—A. M. Austin.
Deputy—E. D. Severance.	Coroner—J. E. Tuttle.
Sheriff—Henry H. Alderman.	Deputy Prosecuting Att'y.—B. L. Eddy.
Deputy—E. W. Stanley.	Official Newspaper—The Headlight.