INDUSTRIAL GROWTH IN PACIFIC NORTHWEST

harge, says it will be completed

vate office adjoining the courtroom. The County Surveyor will have two rooms, a new grand juryroom will be provided and the District Attorney and Circuit Judges will have private

The Sheriff's office on the ground floor will occupy the space formerly used by this department and the County Clerk, and the County Clerk's

office will be where the old County Court room and the County Judge's office were. There will be no change in the Treasurer's and Assessor's of-

It is estimated that the work will cost about \$14,000. The County Court

Electricity Supplants Steam in Logging Camp.

COOS EXPERIMENT SUCCESS

C. A. Smith Lumber Company Finds New Method Would Mean Saving of \$150,000 Yearly-Cost of Logs Greatly Reduced.

MARSHFIELD, Or., Oct. 21 .- (Spe-Success of the plan to use elecric power instead of steam for logging has been established by tests made in this city by the Smith-Powers Logging lompany, for the C. A. Smith Lumber Manufacturing Company, of Marshfield. The new process of operation by descricity will revolutionize the logcing business in this locality, if not in whole Const country, and the tests

the whole Coast country, and the tests which are being made here have attracted the attention of lumbermen throughout the Coast district.

While the establishment of the necessary plant and equipment will require the Smith-Powers Company to expend a large sum of money, there will be a great saving over the use of steamwhich it is believed justifies the outlay.

The plan in short is to build near the Smith mill a large electric generating plant where the waste wood from the mill will be burned as fuel. From this central generating plant the electric power will be transmitted by wire under high voltage to the various logging camps throughout the county. At the camps it will be transformed to the proper voltage for the motors. Electric donkeys instead of steam donkeys will be used to pull the logs.

The tests are being made by the Smith-Powers Company in connection with the Westinghouse Electric Manufacturing Company and the Willsmette Iron and Steel Works. The latter com-

facturing Company and the Willamette Iron and Steel Works. The latter company furnished the logging yarder, A. H. Powers, head of the logging company, worked out the logging details and S. E. Hodge, representing the Westinghouse company is here looking after the electrical features.

Arrangement of the electric donkey is the same as with a steam engine except that in place of the steam engine is substituted a 165 horsepower motor which is connected to the big drum of the yarder.

Mr. Powers estimates that in the seven logging camps operated in this country by his company he uses for fuel in the steam engines wood which if

county by his company he uses for fuel in the steam engines wood which if saved and cut into lumber would be worth \$50,000 a year. The electric generating plant will burn the waste from the mill. The engineer required for the electric machine need be of no higher pay than the engineer of the steam engine, while the steam engine requires two woodchoppers and a fireman, which are done away with by the use of electric machines. Mr. Powers estimates that he can save the wages of mates that he can save the wages of

ost makes that he can gave the wages of 100 men or more in his camps.

Fire loss caused by sparks from the steam engines in the woods and the cost of watching such fires is estimated by Mr. Powers to be \$5000 a year. The electricity eliminates this danger and expense.

Mr. Powers says that it would cost the Smith companies about \$450,000 to make the change from steam to elec-tricity, but that he estimates there will a saving of \$150,000 a year. Mr. wers says he is convinced that under use of electricity by any of the large logging companies will enable them to take out logs at a saving of about it a thousand over the cost where steam engines are used.

GOLD MINE WORK STEADY Many Hydraulic Dredges to Be Installed at Foots Creek.

GOLD HILL, Or., Oct. 22 .- (Special.) The Champlin electric gold dredge on Foots Creek, nine miles from here, is working day and night. This dredge is the biggest placer proposi-tion in Southern Oregon, and pays its owners, who are Chicago millionaires,

andsomely each year. The entire Foots Creek district is rich in placer gold and many hydraumines will soon be in operation there, the largest of which is the Lance mine, owned by local people, which has a record of production of

many thousands of dollars.

Placer mines in the Woodville district, contiguous to the Foots Croek listrict, are also getting in shape for the Winter's run, which will begin as soon as the rains supply water for their ditches. The handsomest exhibit of placer gold at the recent Grants Pass mining congress came from the She-bley mine in the Woodville district. Nearly all of the placer mines in this section have been worked since the ploneer placer discoveries in Southern Oregon in the '50s, and their extent

Oregon in the '50s, and their extent and richness are proven by the fact that they have been profitably worked

HOME PURCHASES MOTIVE

Easterners Invest in Hood River Apple Lands.

HOOD RIVER, Or. ,Oct. 22.—(Special.)—Ninety per cent of the purchases made in the Hood River Valley this Summer by Eastern people have been for the purpose of home locations. The most recent man to locate here permanently with his family is Frank B. Cram, of St. Louis, where for a number of years he had been secretary of the offices of the American Central Life Insurance Company.

Mr. Cram purchased, through G. Y. Edwards & Co., 15 acres of the tract of W. R. Allen in the Oak Grove district. While the consideration has not been made public, it is understood that the tract, the greater portion of which is in bearing, brought the top figure. Immediately on purchasing, Mr. Cram resigned his former position. He will erect a handsome log bungalow residence on the property and he and his family will reside there.

COURTHOUSE BUILT OVER

Work of Remodeling Building Goes

on Apace.

OREGON CITY, Or., Oct. 22.—(Special.)—The work of remodeling and building an addition to the Clackamas County Courthouse is progressing rapidly, and Clarence Simmons, who is to

January 1. New partitions have been made on the second floor so as to give additional space to all the depart-

additional space to all the departments. The old Circuit Court room space has been utilized in this work and the new courtroom will be on the second floor of the addition. The County Court room, which has been moved to the second floor, will be used by the Circuit Court until the new building is ready.

County Judge Beatle will have a private office addoining the courtroom. Advent of Railroad Starts Boom in Realty Holdings.

TILLAMOOK LAND FERTILE

Property in Demand for Truck Gardens Sells for \$500 an Acre and First Year Will Produce \$50 to \$200 in Crops.

fices. The Recorder will have the present office and a part of the ground floor of the addition. A large vault for use by the Recorder and County Clerk is being built in the addition. The Sheriff will use the old BAY CITY, Or., Oct. 22.—(Special.)— Completion of the Pacific Railroad & Navigation Company's road to this

TYPE OF IMPROVEMENTS BEING MADE AT LAKEVIEW.



is supervising the work. Most of the tate and industrial conditions. Much

CLARK COUNTY HORTICULTURE INSPECTOR URGES PLANTING.

Climate Adapted to Growth of Walnuts and in 20 Years Yield Will Be 60 Pounds a Tree.

VANCOUVER, Wash., Oct. 22 .- (Spe cial.)-An English walnut tree, planted by A. A. Quarnberg, hortfculture inspector for this district, 18 years ago, is paying 10 per cent interest on \$100 annually and has been for the past four years. Each year the increase is noted and in a few years more this tree will be paying 20 per cent annually on \$100. Mr. Quarnberg has several other trees in his walnut orchard,

which do almost as well. Mr. Quarnberg is attempting to have the real estate dealers, and those own-ing homes here, plant one or more walnut trees on their city lots. These and in a few years will yield more nuts than one family could possibly use. One wainut tree planted from 15 to 18 years ago, yields annually from 40 to 60 pounds of the finest kind of wainuts, which sell readily for from 20 to 25 cents a pound in the open market.

The English wainut crop in Clark The English wainut crop in Clark
County this year will be at least five
tons, but the yield is growing rapidly
as the years go by. The climate in
this county is peculiarly adapted to
the raising of English wainuts and a
fine quality of fiberts.

The same is true of Tillamook and the
other towns in the county.

Work will soon be started on erec-

DAM BUILDS AT CHERRY

Over 70 Acres of Water Will Hold Lumber Company's Logs.

FOREST GROVE, Or., Oct. 22 .- (Spe cial.)-Construction work on a huge dam across the Tusiatin River at the new townsite, Cherry Grove, will be-gin at once by the Lovegren Lumber Company in the southeast section of Washington County, a few miles from the town of Gaston. This dam, which will contain more than 76 acres of water, will float the logs of the com-pany, from which millions of feet of the finished article will be produced. the finished article will be preduced.

The company recently completed its railroad into the timber-beited district and is now erecting a temporary mill, which will have a capacity of 50,000 feet per day. As soon as machinery from the East can be obtained and installed, a permanent mill will be established, capable of sawing 150,000 feet a day and providing for the employment of upwards to 150 men.

The Lovegren interests own large tracts in that locality and are constantly adding to their holdings, having last week purchased an acreage cruising several millions of feet. Several residences are now being built at Cherry Grove, and by Spring a live community will be located.

real estate has changed hands in the county within the past week or so, es-pecially in Bay City, where over ten transfers were made in three days. Small rural holdings are being eagerly sought as locations for berry patches and for truck gardens.

and for truck gardens.

Land values have advanced with completion of the railroad and no one would be surprised to see them climb yet higher. When one considers that an acre of bottom land, although costing \$500 an acre, will, if planted to truck, not only pay for itself in a year, but leave a profit of from \$50 to \$200, one is not surprised that the land is easerly sought. eagerly sought.

The Tiliamook realty market is almost bare of listed property, as are the offices at Cloverdale, Bay City and

Bay City is considering the desira-bility of purchasing several lots for a municipal building that will cost some-where in the neighborhood of \$2500. The Pacific Telephone & Telegraph Company has just completed installa-tion of a new system here, replacing all of the old gaivanized wire with copper, and installing a switchboard copper, and installing a switchooatd here capable of taking care of 400 subscribers. Heretofore all of Bay City was listed with Tillamook, as was also the rural district lying between the two cities and the territory north of Bay City. Now all the territory north of and half of that south of Bay City clears through the ex-change here. Mr. Williams, construction manager for the company, is auparatus here and the office is the most complete of any town in the state of three times the population of Bay

Several new business houses have been opened in Bay City within the past month, three of which, it is un-derstood, will build in the Spring

tion of a garage here for the storage of and repair of autos. This will be a great help to Portland autolsts who in the past have been required to take their machines to Tillamook for at-

The city has recently constructed three miles of sidewalk and has also purchased 600 feet of two and one-half inch fire hose and a hosecart.

LAKEVIEW HIGH SCHOOL WILL COST \$60,000.

Petition Requests Board of Trustees to Call Special Election to Vote on New Bonds.

LAKEVIEW, Or., Oct. 22.—(Special)
—A petition has been prepared requesting the board of trustees to have a special election called to vote additional 20-year interest-bearing bonds in the sum of \$20,000 to complete and equip the new high school building now under construction.

ENGINE FOR LOGGING BY ELECTRICITY, IN USE NEAR MARSHFIELD.



FIRST ELECTRIC LOGGING DONKEY EVER BUILT.

Free Cooking School Tuesday at 2:30 P. M., Fourth Floor, Lectures By Mrs. Hawley - Cooking Bread and Nougat Candy by Electricity

Olds, Wortman @ King Purveyors of Pure Foods

Days Sale of Groceries

Phone Your Orders-Exchange 12, A 6231-Prompt Delivery

Hams 16c Lb.

Best Eastern Sugar-Cured Hams, nice medium sizes.

> Almond Paste 23c a Can

Bacon 18c Lb. Very choice English style, just enough lean, just enough fat.

Tomato Sauce 8c a Can

Imported, for flavoring meats.

Excellent for cakes, macaroons, etc. Brand's Al Sauce, sale price, per bottle only 23c 35c Imported French Peas priced here at only 25¢ Kingsford's Cornstarch, this sale, 3 packages for 25¢ Holland-Grown Bulbs on sale at 10¢ per dozen up

Shoulders 11c Eastern Pienie Shoulders in 5 to | O. 7-pound sizes.

Swedish Wafers 20c a Can

Flour \$1.25 W. K. Flour, made from the

> Sliced Pineapple 20c a Can

very best bluestem wheat.

They sell regular at 25c a can. The best Hawaiian stock; \$2.25 dz.

Cane Sugar-take advantage of this-14 lbs. \$1.00 Round-Up Cleanser, priced here at, 3 cans for 25¢ Silver Gloss Starch, during this sale, 3 packages, 25¢ Narcissus China Lily Bulbs, plant them now, price 5¢

blending, and is acknowledged to be the finest on market.

his Cottee is the result of the most careful scientific

is grown high up in the it that splendid lasting flavor. It conforms strictly to the pure food laws. Take advantage

Six

Flavors

Uncolored Japan, English Breakfast, Ceylon, Oolong, Gunpowder, Oriental Blend 50c and 75c a Pound



The Secret is in the blending. It is kept in the green for sufficient time to give it a mellow flavor. Try a pound or two of it. It Is Blended in the Green which gives it that uniformity of flavor-always the same. M. J. B. Coffee is put up in the whole berry. We rind it to please. You will find it economical in making.

Demonstration Fourth Floor

Come and learn from an expert how to make coffee in the pot or percolator, so it will have a delicious flavor.

1 lb. Can 40c, 2 lb. Can 75c, 3 lb. Can \$1.10, 5lb. Can \$1.75 Sale of Dinner Sets and Fancy China

raise the total cost of the building to \$60,000, and will be one of the finest structures in the State of Oregon, The building is of brick and stone, two stories and basement, in which will be housed many new departments, in adadd to the educational advantages of

ie young men and

The most important features in the new studies taken up will be those of agriculture and horticulture, which will be supplemented by an experimental farm. Working departments of manual science and domestic economy are provided for. A fine laboratory and department of chemistry will add to the equipment of the institution. In forced concrete. It will have a front-addition, an assembly hall that will age of 41 feet on Pearl and will cx-

seat several hundred people will be one of the noted features. Arrangements have been previously

made for James J. Hill to dedicate the building, the dedication taking place during the celebration next June. Mr. Hill has taken a special interest in dition to the old, which will greatly this school on account of the departfarm, which, as the only one in the state, has been given great publicity.

> Eugene to Have Business Block. EUGENE, Or., Oct. 22 .- (Special.)-George T. Hall will begin excavation next week for a new business block, between Eighth and Ninth streets on

WINESAPS TO BE PLANTED Page & Son Plan to Make Extensive Improvements on Ranch.

STANFIELD, Or., Oct. 22 .- (Special.) -Page & Son, commission merchants of Portland, have decided to plant 25 acres of their 160-acre ranch to Winesap apples next Spring. They also will build a new house on the ranch, and have given orders for a large amount of lumber to be used in building flumes. It is the intention of the company to

tend back to Park street, a distance rigating their ranch by means of these of 116 feet, fronting on both streets, flumes, thus avoiding loss by seepage flumes, thus avoiding loss by seepage and evaporation.

The Page orchard is one of the show places of the Furnish irrigation project, and it is declared by competent judges that it is the best peach orchard for its age in the State of Oregon

Right of Way Purchased.

MARSHFIELD, Or., Oct. 22 .- (Special.)-H. A. Sumner, vice-president of the Pacific Coast Rallroad, is here with other representatives of the company to go over the proposed route of the line. The company has a surveying crew at work, and also is buying rights of way. It is believed here that the road is a Hill interest. Summer and his associates are paying cash for the

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HOT LAKE SANATORIUM

H RECREAT 0 O

An examination of this map will convince you that the Hot Lake Sanatorium is located in Oregon. Many knowing the size and efficiency of this great Sanatorium-Hotel are not fully aware of its location, and are inclined to accredit it to some distant state. Hot Lake Sanatorium is but twelve hours by railway without change of cars from Portland. Travelers may leave Portland on O.-W. R. & N. train No. 18 at 10 o'clock A. M. and reach Hot Lake at 8:55 P. M.; or take O.-W. R. & N. train No. 6, leaving Portland at 8 P. M., arriving at Hot Lake at 9:55 A. M. Trained attendants meet all trains, and the sanatorium is but six hundred feet from the depot. Hot Lake is located in Union County, three hundred and fourteen miles east of Portland, overlooking the beautiful Grand Ronde Valley, Oregon's richest and most attractive valley. The great mineral spring is one of Oregon's most noted show points, and the cures effected there have given Hot Lake a National reputation. The equipment is as perfect as money and experience can secure. With the great mineral spring and with its known medicinal properties as a foundation, the management has worked with the one end in view—to make Hot Lake Sanatorium the one great cure place in the West. Write for our illustrated booklet, which explains how and why rheumatism, skin, stomach, kidney and blood disorders are so successfully treated.

N. B. Special Round Trip Excursion Rates Always in Effect

HOT LAKE SANATORIUM

HOT LAKE, OR.

WALTER M. PIERCE, Pres. and Mgr.