

dissolved by benzole and etxracted from the sample. The remaining aggregate in the file of asphalt. The fine quipment of the plant, so that the fine dust in the mixture is compared with the server and jury met, fine dust in the mixture is compared with the server against in the cridence against is the presented. He was of crushed rock or gravel, sand and fine dust in the mixture is compared with the server against in the subsequent prosecution. As a matter of the specifications, and the subset in the observer against in the special examination by the first of a senver to such a software separation. These precentages free the fine dust that the specifications and the subset in the plant, so that the first determined by elutriation of water separation. These precentages free directions and the object of the subset is the plant, so that the the specifications, and the subset is the plant, so that the first dust in the mixture is compared with those sequered is further determined by elutriation of water separation. These precentages first dust in the first mixer against and and filter paper, and a few hand and rubber tubing generation further determined by elutriation of water separation. These precentages first dust may have be the fine dust that the aggregate is the paper, and a few hand further determined by elutriation of water separation. These precentages first dust and and filter paper, and a few hand to first dust and and filter paper, and a few hand to first dust as the object of the special examination by the subsequent prosecution. As a matter of fact, Wallowa County alone handled the case, and it received nothing in re-sumption of the solut of the object against the special examination by the subsequent prosecution by the following year. After the special examination by the special examination by the subsequent prosecution as ashown by the rolls. This is charged partially to the serious-

Lewis Official Now Must Give \$75 .-

Softness Gauges Life.

The life of an asphalt pavement is dependent upon the life of its asphaltic content is dependent upon the amount of asphaltic oil it contains—its softness. Thus the pavement's life depends upon Thus the pavement's life depends upon its amount of asphaltic oil. So the suitability of asphaltic cement for use that every community should place such controlling safeguard over its asphalt paving operations.

suitability of asphaltic conent for use in paving, other characteristics being all right, is shown by its degree of softness—an important factor in pro-longing the wearing life. The asphalt is graded with reference to its soft-ness by determining how far a No. 2 sewing needle loaded with 100 grams. sewing needle, loaded with 100 grams will penetrate into it in five seconds at a temperature of 77 degrees Fahren-heit. This instrument is called a penetrometer. If the grading of the aggre-gate in the mixture is one that elimi-nates the large, coarse material, the hardness of the asphalt must contrib-Good Cleanup Reported and Treasure ute, to a great extent, to the stability of the pavement, in addition to binding it together. This requires that an as-phalt having less oil shall be used, and the result will be a shorter-lived pave ment. But if the aggregate in the pave-

ment includes coarse material as well cial.)-Whisky Run, an old mining as fine, and is well graded, the aggregate will in itself provide stability, and camp a few miles above Bandon, has a softer asphalt, one having more oil, taken on new life during the past six can be used, insuring longer life. The months and several mining concerns asphalt used with the aggregate in the have employed men, dredging and sluic-latter case is merely to fill the voids ing. The greatest values found now and bind the pavement so that it will not ravel under traffic.

Penetrometer's Mission Important. Thus it is readily seen that the de-gree of softness of the asphalt, as well as the size of the aspregate is an imp as the size of the aggregate, is an important characteristic in paving mix-tures, and the penetrometer becomes a necessary laboratory instrument. In addition to testing shipments received from the asphalt refineries, it is used to determine whether, in heating the as the size of the aggregate. Is an imfrom the asphalt refineries, it is used to determine whether, in heating the asphaltic cement at the paving plant, any of the volatile oils have been lost, and the asphalt deteriorated by being bardened

hardened. The fineness of the 200-mesh material is of great importance. The 200-mesh screen is the finest manufactured, and although it contains 40,000 openings per square inch, experience has shown that the presence of dust material finer than 200 mesh adds to the durability of the the presence of dust material liker that 200 mesh adds to the durability of the mined at Whisky Run. He found the house still standing and two hours' fications contains such a requirement, work uncovered the buried mineral. In making the analysis to determine which, according to values in 1913, was the percentage of such extremely fine which, accor material, screens no longer serve, and There is a water to hold fine particles in suspen-sion. This method of separation is called elutriation and the specifications containing the elutriation requirement ask that 75 per cent of the 200-mesh material shall pass the test.

Siphon Used in Test.

ENTERPRISE. Or., Dec. 26.-(Spe-cial)-The Baptist Church of Enter-prise, burned two weeks ago, will be rebuilt at once. Subscription papers Siphon Used in Test. The apparatus used in the elutria-tion test consists of a beaker of spe-cified dimensions, holding about a half pint, equipped with a siphon so ar-ranged that it will withdraw the con-tents of the beaker from its center at a point one-half inch above the bottom. The beaker is filled to a certain height with pure water, into which is placed five grams of 200-mesh material. By means of a glass tube and air pressure the water is agitated until it is thor-oughly rolled with the material. Fif-teen seconds after the agitation is

sistance in choosing the equipment of the laboratory. Careful consideration of the subject

PACKING PLANT PLANNED New Industry to Be Launched at

Albany in Few Weeks.

at a time. Then they must get a posi-tion in a school and teach for a year in order to raise funds with which to complete their course at the Normal. ALBANY, Or., Dec. 26 .- (Special.)-

In a few weeks Albany will have an important new industry, a meat pack-ing plant to be established by D. E. he declares. "With building improvements now ended, and the inadequacy of the presing plant to be established by D. E. and H. L. Nebergall. Equipment is being procured and as soon as a site is selected the plant will be assembled MINING IS MORE ACTIVE ent Training School building already affecting our work, the Normal School faces a serious crisis," said President and placed in operation.

Nebergall Bros. have been engaged in the retail meat business in this city for three years and recently have been doing packing at the plant of the Albany Ice Company. This work demonstrated the feasibility of such an industry here. PLATINUM VALUES ARE FOUND AT

an industry here. the Training School building owned of Temporarily the new plant will con-fine its work to hogs and will be Burled 25 Years Ango Is Said work to hogs and will be to handle 3600 a year. Later to Have Returned \$3600.

it is expetced that the size of the plant possible to give each of the graduating will be increased and perhaps other students the 100 hours of teaching ex-MARSHFIELD, Or., Dec. 26.—(Spe-cial.)—Whisky Run, an old mining camp a few miles above Bandon, has taken on new life during the past six months and saveral mining compared will be increased and perhaps other kinds of meats handled. Nebergall Bros. now have a payroll of \$1000 a month and the new plant will increase this materially.

100-YEAR-OLD WOMAN DIES

Mrs. Mary Doak, for 25 Years a Resident of Wasco County, Passes.

THE DALLES, Or., Dec. 26. - (Spe

cial.)-Christmas day marked the pass-ing of a Wasco County woman who had ing of a Wasco County woman who had lived a little more than a century. Had Mrs. Mary Doak survived until next August she would have been 101 years old. She passed away at the home of her son, A. C. Doak, at Pleasant Ridge, 15 miles south of The Dalles. She was born in New York State and had been a resident of this county 25 years. The son and one daughter. Mrs. Sarah

born in New York State and had been a resident of this county 25 years. The son and one daughter, Mrs. Sarah Butler, survive, besides ten grandchildren. Her husband, William Doak, died nine years ago, aged 79.

STEAMER HARVEST QUEEN

Resumes regular service today, leaving Ash-street dock, daily except Saturday, § P. M., for Astoria and way points. Tickets and reservations at the dock or O.-W. R. & N. city ticket office, Third and Washington.—Adv. There is another story that two five-

Enterprise Church to Rebuild.

Court Upholds Linn Board's Action.

ALBANY, Or., Dec. 26 .- (Special.)-The action of the Linn County Board of Equalization in refusing to lower the assessment of the First National Bank of Albany on the 1914 assessment roll was affirmed by the Circuit Court yes-terday in a decree handed down by Judge Galloway. ,The First National Bank had filed a petition with the Board of Equalization, requesting that the assessment of its capital stock and surplus be reduced, it being claimed that part of the valuation so included was covered by separate assessments of real property. assessment of the First National Bank

perience required

"When a High School graduate enter

here two years of work are required before graduation. The Training School

Normal should supply a large part."

CENTRALIA, Wash., Dec. 26 .- (Spe-

cial.)-S. H. Biggs, a ploneer of Wal-lowa County, died at his home near Lostine Sunday evening. He was born in Ohio in 1838 and came West more than 30 years ago, first locating near Walla Walla, Wash. He came to the

Wallowa Valley a few years later and had lived here ever since. His widow and five children survive.

Wallowa Pioneer Dies.

ENTERPRISE, Or. Dec. 26.-(Sp

Kaolin Deposits Are High Grade.

619 Oswego street, was destroyed by fire last night. Mr. Stoerm and one son were absent, but the rest of the There are 26 grandchildren and 10 great-grandchildren

family were in the house and escaped with only their night clothes. The house and contents were insured for ASYLUM CHANGES ARE DUE

OLYMPIA, Wash., Dec. 26 .- (Special.)

The Portland Woolen Mills gave a Washington to Transfer 200 Paturkey Christmas dinner to the employes at the mill plant. E. L. Thompson, manager of the mills, attended and tients to Hospital at Sedro-Woolley.

the large outgoing classes is to be made up by the enrollment of new students the following year. After 107 graduated last year, a large num-ber of new faces appeared in the stu-dent body this year. Two-thirds of the students attending are here for the first time, as shown by the rolls. This is charged partially to the serious-ness of the economic status of the state this year. President Ackerman says a fair percentage of the teachers is unable financially to attend the carved the turkeys and spoke words of encouragement to the employes. Sevis unable financially to attend the Normal School more than one year eral turkeys were left, and these with some other supplies were turned over to several needy families known to the The Bachelor's Club held its annual

\$2000.

banquet tonight in the Geneva parlors. The affair began at 6 o'clock. It was ing that it was to be merely a farm attended by the active and honorary members and was in the form of a social reunion of the members and their nome for harmless patients, under the direction of the Western hospital. The board of control will ask the coming Legislature for sufficient buildinvited friends. An informal pro-gramme was rendered, consisting of short talks and songs. The club re-lieved 20 families in St. Johns this ings to provide accommodations for 1000 at the Northern hospital. The Western hospital will be left with 1250 patients after the transfer. Shortly aftveek

A sacred concert was held tonight in er January 1, boy inmates of the insti-tution for feeble-minded at Medical the St. Johns Baptist Church by the choir and orchestra. Solos were ren-dered by F. W. Coffyn, T. Nugent, H. H. Rawson, Mrs. Bessle Murray and Miss Lake will be moved to completed on a new site 116 miles distant. These buildings will increase the capacity of the institution from 250 to 500. Flora McNiven. The orchestra gave several selections. F. W. Coffyn is the leader and Miss Pauline Young accompanist.

CHEHALIS CHIEF NAMED SELAH WAREHOUSE TO RISE Walter C. Doyle to Head Police De-

Fruitgrowers Plan Common Storage partment After January 1.

and Community Packing.

practice is a large and necessary part. If the Normal School cannot furnish the full time required, owing to in-adequate facilities, the student does not receive what the schools owes her, and she is cheated. Oregon needs over 700 new teachers annually, and the Normal should supply a large part." CHEHALIS, Wash, Dec. 26.—(Spe-clal.)—The Chehalis City Commission has agreed on the appointment of Wal-ter C. Doyle to be Chief of Police. He will take office after January 1. NORTH YAKIMA, Wash., Dec. 26,pectal.)-(Special.)-The Fruitgrowers' Ex-change of Selah, one of the branches of the Northwestern Fruit Exchange in this valley, in a short time will be-It is planned in the interest of econ-Seven Washington Papers Suspend.

gin the construction of a new warehouse for common storage and community packing It will be completed in time to han-

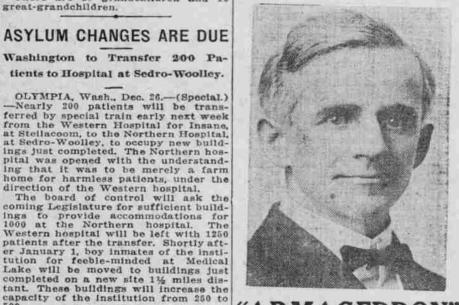
orchard supplies in the early Sum-r. The Selah exchange has shipped ner. 41 carloads so far this season. The officers are: President, Walter Clift; vice-president, Professor I. W. Bowman; secretary-treasurer, William F.

Mueller; additional directors, H. A. Davis and E. A. Movius.

Merging College Boards Favored.

CHEHALIS, Wash., Dec. 26.--(Spe-3 With Additional Logging Road.

cial.)—A public meeting was held here Thursday night at the citizens' club-rooms, under the auspices of local alumni of the University of Washing-ton. Professor Cockerill, of the uni-versity, was the principal speaker. Dis-cussion revealed that there is no ob-jection on the part of the management of the state university to having the thoroughly overhauled. 3 With Additional Logging Road. CENTRALIA, Wash., Dec. 25.—(Spe-mili at Malone has closed down until January 3. During this time, how-



'ARMAGEDDON'

FREE LECTURE BY PASTOR WM. A. BAKER,

of New York City (Formerly of Portland.)

Oddfellows' Temple E. Sixth and Alder Streets

It is planned in the interest of econ-omy to reduce the day force, and if any extra men are added it is more than likely they will work at night. A. J. Long, who has been Chief of the Fire Department, is slated to be fort to save the city another \$1200 a effort to save the city another \$1200 a year. The Fire Department will be di-rected by C. F. Truett, and most of the work will be done by volunteers. completing a fifteen-thousand-mile tour of of Canada and the United States.

Under Auspices I. B. S. A.

ALL WELCOME. NO COLLECTIONS.



ing one president act for both the state the holidays, until the Williams university and the state college. Creek Shingle Company's mill at Cal-

of the state university to having the boards of regents of the university. The Bina Shingle Company's plant. The Bina Shingle Company's plant. The Dima Shingle Company's plant. The Dima Shingle Company's plant.

Low Market Halts Trappers' Activity

low, which recently closed down when its dam was washed out, is ready to resume operations.





Kaolin Deposits Are High Grade. ASHLAND, Or., Dec. 26.—(Special.)— Deposits of kaolin, which are to be found in abundance a few miles north-east of this city, have been submitted to experts for analysis, with the result that the product has been found equal to any throughout the country. The kaolin proper is adapted to pottery work, while its residue may be used for remedial purposes akin to those for which anti-phlogistine is employed. Kaolin Deposits Are High Grade. AIRLIE, Or., Dec. 26.—(Special.)— Trappers who commenced active opera-tions in the regions about Airlie this Winter have abandoned practically all efforts to secure furs for the market, work, while its residue may be used for remedial purposes akin to those for which anti-phlogistine is employed. Figure 20. The secure furse for the normal market, but trappers which anti-phlogistine is employed. Kaolin proper is adapted to pottery work, while its residue may be used for remedial purposes akin to those for which anti-phlogistine is employed. Kaolin proper is adapted to pottery which anti-phlogistine is employed. Kaolin proper is adapted to pottery which anti-phlogistine is employed. Kaolin proper is adapted to pottery which anti-phlogistine is employed. Kaolin they cancet get more than 60