

wharves adjoin the railroad so that any exhibits, foreign or domestic, can be handled with convenience. "Further, a branch line would serve all excursion trains with direct trans portation to the grounds. Thus all freight, exhibits and outside visitors would be provided with direct railroad

transportation facilities. "The street rallway connection to the city is already solved, there being two competing lines now in operation to the proposed site. A few blocks of additional tracks of light grades would give connection to all the lines in the city and make good service possible, espe with the central portion of the city.

'It is desired to maintain water in the lake at an average depth of six feet so that the water will reach the belt of green willows bordering the lake and

cover the low and unsightly land.

"During high water or flood season of the Williamette it would be impossible to keep out the flood water of the Williamette and maintain the six-foot level in the lake. Expensive dikes would have to be constructed along the north show the lake. Expensive discs would have to be constructed along the north shore of the lake for at least half a mile in length, but even if the lake by means of diking and sheet piling could be hermetically closed at that season against the extra hydrostatic pressure, the level of the lake would gradually rise to the surface of the Williamette on account of the constant inflow of water into the lake from the watershed. This inflow would have to be pumped out to keep the surface of the lake at a six-foot level. "It might be possible even under those conditions to refuse the average high.

ditions to reduce the average highwater mark in the lake by several feet. At extraordinary high water only work of the greatest magnitude and at enormcould possibly keep the lake at a

### Summary of Features.

"The site known as Willamette Heights, on Guild's Lake, for an exposition such as contemplated by the Lewis and Clark Centenial Exposition, has the following main features:

"Location of site and lake-One and three-quarters miles from center of pop-

Area of Exposition site-One hundred

and fifteen acres. "Watershed (visible springs, Baich Creek)-Fifty-three thousand two hun-dred gallons per 24 hours.

Outlet-Well-defined artificial channel, 'Nature of subsoil of lake-Clay. "Nature of lake embankments-Subsoil,

clay, "Embankment of east shore-Dredgings "Dam and dike and their location—Be-tween Guild's and Kittredge Lakes, sheet piling and earth embankment now in place; dam in outlet, sheet piling and gates easily constructed.

Evaporation and seepage-Evaporation is more than offset by inflow; seepage not "Quality of water in lake-Originally

fed by springs and creeks and from water-shed; now colored and impregnated with decomposed vegetable growth. "Pumping to lake-Eighteen-inch dis-charge centrifugal pump, pumping from Willamette; capacity, 19,000 gallons per

Topographical features - Exposition grounds slightly sloping towards the lake,

with higher plateau south level for main "The city crematory is situate about 1000 feet easterly from the main grounds. This is an objectionable feature, but can

be almost or totally remedied by either smoke-consuming device or additional height to the present chimney. It also ought to be fenced in, so as to exclude

Sanitation-Direct connection with present sewer system.
"Water supply—For domestic purposes, firect connection with present city system: for fire and sewer purposes, independent pumping plant and standpipe.
"Transportation—Adjacent to railroads

with present city railway system.
"Effect of high water in the William-ette-lt will affect level of Gulid's Lake, but not main edte for Exposition grounds, Estimated cost of dam and dike ..... \$ 1,500 cost of fencing lost of centrifugal pump with en-

and steamers, and in direct connection

gine
Dost of boilers
Cost of compound steam pump
Dost of boilers
Pipe line to stand pipe, 3500 feet
Cost of grading and trestles
Cost of grading and trestling temporary road 3,600 4,500 2.200

304.005 "Cost of operating centrifugal pump, \$11 50 per day of operating power pump, \$19 per

day. Submitted respectfully, "MAXWELL & HUBER, "Portland, Or., September 2, 1902."

After Terminal Port Honors. NEW YORK, Sept. 5.—A new claimant has arisen for the honor of being selected as the British terminal port proposed for the new Canadian service, says a London dispatch to the Tribune. Active steps are being taken to lay the claims of Holly-head before the proper authorities, and the London & Northwestern Railway Board has been approached, it is said,

with a view to securing the company's

co-operation.

# ALSTERTHAL FROM CALLAO

SHIP COMING A LONG DISTANCE FOR A LOW FREIGHT RATE.

Is Chartered for December Loading at 26s 3d-Semantha Caught in Calm -Engineers' Trouble Unsettled.

The German bark Alsterthal, one of a large line of "Alsters," many of which have loaded in Portland, was chartered yesterday to load wheat at Portland in December at 26s 3d. The Alster is one of the smallest vessels of the line, register-ing but 1696 tons, and, size and position considered, she is about as cheap as anything that has been offered this season. The vessei is now at Caliao discharging cargo from Hamburg, and will come north in ballast. This voyage affords a striking dilustration of the demoralized condition of the freight market, for under normal conditions the vessel could se-cure a nitrate freight over 6000 milés nearer home than she will be when she gets around to her wheat cargo. Under normal conditions, there is a differential of 10 shillings per ton in favor of the ni-trate ports as compared with North Pa-cific ports. This, if in force at the present time, would mean 16s 3d for nitrate, which would give shipowners that tired

With ships like the Peter Rickmers sailing across the Pacific in ballast from the Orient to accept a 25-shilling rate, and the Alsterthal coming up from Callao for 25s 3d, matters certainly look gloomy for the shipowners. Not all of them, however, are prepared to accept such rates, and it is not improbable that there will be disengaged ships at anchor at all Pacific Coast ports for an indefinite period. The intest arrival, the Semantha, refused 27s 6d before she arrived, and owners will probably lay her up at this port to await an improvement in the parket. She be-"Area of lake-Two hundred and seven- habit of giving its ships long rests, one of its vessels remaining idle in San Prancisco for two years, while another was obliged to walt '13 months for a freight rate which met the approval of the owners.

#### NO STRIKE YET. Engineer F. F. Smith says Peaceable

Methods Will Be Tried First. There seems to be little danger of an immediate strike among the marine engincers, but they do not hesitate to say that there are points of concession that will have to be made by the steamboatowners before things can again run smoothly. The settlement of the last strike was incomplete, and there are still many points of difference between the employers and employed. A number of meetings have been held by the Engin eers' Association during the visit of their National president, George Uhler, and meetings have been arranged between Mr. Uhler and the employers. At these meet-ings, however, nothing has ever been said of a strike, and an attempt is being made to have the troubles adjusted peaceably.

In his meetings with the employers, Mr. Uhler went over the ground thoroughly, and endeavored to show them that the engineers were not paid as much as they ought to be in comparison with the wage paid elsewhere and in other lines of work.
"I have been all over the United States," said he to a reporter, "and I am in touch with all of the engineers' unions, but I do not know of any that are as poorly paid as the Portland engineers. dent Unier left yesterday for his home in Philadelphia. His counsel to the men while here was to try, if possible, to secure their demands without trouble. He has placed the case in a strong light before the employers, and it is hoped by him that his words may have some effect. No that his words may have some effect. No communications have been received, how-

ever, since the conference "While it is a well-known fact that the engineers are not satisfied," said F. F. Smith, business manager of the Engineers' Union, "I cannot say that there is danger of an immediate strike. In fact, we have had no talk of a strike. We are adopting other methods. We wish to try to convince the employers that our conditions are not what they ought to be, and we believe that we can easy what we were Heve that we can gain what we want in that way. We have had some encouragement since the last strike, and many of us have had our conditions bettered. President Uhler put our case in strong words, and I believe that his words had their effect.

When asked what points of complaint the engineers had, he said: "We are not satisfied in any way. Our wages are smaller than wages for similar work are in other communities. Our hours are not satisfactory, and the conditions under which we work are not to our liking. The points have been gone over so often that it is no use to go over them again."
"Have you made any demands on the

employers since the last strike?" was "We have not," said he: "we have simply laid our case before them and asked that they try to give us better condi-

"You think that they are disposed to

"The employers seem to be willing, and

"The employers seem to be willing, and do not disagree with us, but say that they cannot afford it. They say that they are paying us all that they can afford."

"Suppose they should hold to this view, and would not make the concessions that you expect of them?" he was asked.

"The concessions will have to be made sooner or later," said he. "We shall try the peaceable method first." sooner or later," said he. " the peaceable method first."

#### CAUGHT IN A CALM.

British Bark Semantha Lost Much Time Off the Coast of Uruguay. Captain Crowe, of the British bark Se-mantha, which spoiled her good record by using up five months in coming from Hamburg to Portland, says that there is nothing the matter with the Semantha, nor her skipper. She made a good start from Europe, and left a smoking wake behind her as she journeyed down the Atlantic, but when down about the latitude of Montevideo, she struck a calm belt, and for nearly a month lay "like a painted ship on a painted ocean," occasionally clawing off sideways like a crab for a few miles, and then drifting back to where she started from. Captain Crowe has these little drifting matches marked out on a chart, and it would break a sea serpent's back to follow her around some of the turns.

After working around into the Pacific she spoke the overdue schooner Honolulu which was wandering almiessly around the Pacific with a broken chronometer over 1500 miles out of her reckoning. Cap-tain Crowe gave the skipper his position and he was so astonished to find himself so far from where he supposed he was that he asked whether the position given at Astoria to learn that 40 per cent rein-surance was being paid on the Honolulu.

that you will gain your point without not supply 2000 tons daily. The prices range from \$5.50 to \$7.50 per ton, free on board at Swansea, Wales.

The newspapers here announce that the British steamers Glencoe and Devonshire are loading 8000 tons of anthracite coal at Swansea for New York, these being the first cargoes of that description. It is fur-ther asserted that the shipments were ordered in consequence of the coalminers strike in the United States.

Brings Salmon From Alaska. ASTORIA, Or., Sept. 5.—(Special,)—The American ship St. Nicholas, which arrived in from Bristol Bay, Alaska, last evening, brought 27,179 cases of salmon from the Mushagak River cannery of the Columbia River Packers' Association.

#### Marine Notes. The schooner Anita is at Supple's yard.

on the East Side, undergoing repairs. The French bark General de Sonis, from Hobart, for Puget Sound, was spoken at 6:45 A. M. September 2, by the steamship Aorangi, which arrived at Victoria 38

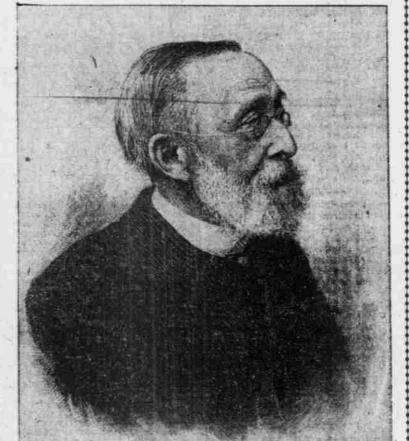
The new schooner Alert, mentioned in yesterday's Oregonian as launched at Ho-quiam, will be commanded by Captain Krebs, formerly master of the Jennie Stella. The steamship Elba sailed from Astoria

at 3 o'clock yesterday afternoon. Three of her deserting sailors went down to Ascharge of Deputy Marshal Roberts Thursday night.

The big German bark Magdalene, which

has loaded here every season since 1897, sailed from Yokohama for Portland Thursday. Captain Susewind has always Thursday. Captain Susewind has always liberal politics served to deprive his made fast passages with the vessel, and will probably reach Portland in about 30 cepted a call to the chair of pathological days.

Domestic and Foreign Ports. and by withholding the information. ASTORIA, Sept. 5.—Sailed at 8:45 A. M.—Which he could easily have done, he could Bleamers Elmore and Harrison, for Tillamook.



THE LATE PROFESSOR RUDOLF VIRCHOW. 

have made a fortune by taking up every-

LARGEST IN THE WORLD. White Star Line Will Build a Ship 720 Feet Long. LONDON, Sept. 5.-The White Star Line

has ordered another steamer to be built by Harland & Welff, of Belfast, which is to be 20 feet longer and a few feet wider than the same company's steamer Celtic, now the largest liner in the world. The nodations for 3000 par Celtic has acco sengers, and is 700 feet long.

### FOREIGN COAL COMING.

Many Thousand Tons of British Anthracite Coal Contracted For. LONDON, Sept. 5 .- Twenty thousand to thirty thousand tons of anthracite coal are contracted for immediate shipment to New York, which demands 5000 tons daily. "You think that they are disposed to improve the condition under which you York market as ephsmeral. They prefer homes is Hood's Sarsaparilla. Take only to serve their regular customers, and can-

have made a fortune by taking up everything that was offering. The steamer Francisco. Arrived at 1 P. M.—Schooner Lizzie Vance, from San Francisco. Arrived at 1 P. M.—Schooner Lizzie Vance, from San Francisco. Arrived at 1 P. M.—Schooner Lizzie Vance, from San Francisco Arrive at 4 P. M.—Steamer Alliance, for San Fran-cisco. Condition of the bar at 4 P. M., smooth; wind north; weather hazy. Yokobama, Sept. 5.—Sailed, September 4.—

German bark Magdalene, for Portland. San Francisco, Sept. 5. Sailed at 11:40 A. M.—Steamer Eider, for Portland. Sailed—Schooner Novelty, for Portland. Arrived—Steamer Charles Nelson, from Seattle; schooner Charles B. Wilson, from Gray's Harbor; ship Star of France, from Bristol Bay. Salled-Steamer Rainler, for Scattle; steamer Montana, for Seat-tle; steamer Lakme, for Portland. New York, Sept. 5.—Arrived—Island, from Copenhagen. Salled—Celtle, for Liverpool. Cherbourg, September 5.—Arrived—Columbia, from New York, via Plymouth, for Hamburg, and proceeded. from New York, via Francisco of and proceeded.

Yokohama, Sept. 1.—Arrived-Empress of Japan, from Vancouver.

Seattle, Sept. 5.—Sailed—Steamer Farailon, for Skagway. Arrived—Steamer Dolphin, from Skagway.

New York, Sept. 5.—Arrived—Campania, from Liverpool and Queenstown.

## PROFESSORVIRCHOWDEAD

GREAT GERMAN MEDICAL AND SCI-ENTIFIC REFORMER.

Berlin Papers Praise His Activity in Improving Hospitals and Other Sanitary Institutions.

BERLIN, Sept. 5.—Profesor Rudolf Virchow, the pathologist, died here at 2 o'clock this afternoon. The evening papers here print glowing eulogies of the deceased professor, classing him as the world's greatest medical and scientific reformer, and saying that no other man had so decely influenced modern medicine. had so deeply influenced modern medicine and that no other had such a world-wide reputation and so many followers in all lands. The papers also praise his humanitarian activity in improving the Berlin hospitals and other sanitary institutions and the liberal organs extol political activity and unswerving

[Rudolf Virchow was born at Schivel-

hein, Pomerania, October 13, 1821. 1843 he graduated in medicine at

University of Berlin, and began to lecture on anatomy, being also prosector of the Charite Hospital. Aroused by the revolution of 1848, he entered the political arena as a Liberal leader, and was elected to the Prussian House of Deputies. His where he obtained fame by his lectures on cellular pathology. In 1856 he was recalled by the University of Berlin to assume the chair of pathological anatomy and to become director of the Pathological Institute at Berlin, which he soon raised to the first rank among such es-tablishments. In 1880, he entered the Reichstag, where he soon became famous by his coinage of the word "kultur-kampf," a phrase signifying the conflict of the state with a reactionary church. In the wars of 1886 and 1870 Professor Virchow was director of the German hospital service. The cancerous disease that carried off Frederick III in 1888 brought Virchow prominently before the world as the ultimate authority on the pathological problem. He wrote "Cellu-lar Pathology of Tumors," and many other technical works, besides "Freedom of Science in the Modern State" (1877). Professor Virchow's other important works embrace a treatise on "Postmortem Examinations" (1880): "On Famine Fever" (1885; "A Collection of Treatises on Scientific Medicine" (1855); "Four Lectures on Life and Illness" (1862); "Alimentation and Well-Being" (1889); and "The Function of Science in the New National Life of Germany" (1891). Beside his discoveries in physiological science he rendered important services to anthropology in connection with the lake dwellers and the Egyptian tombs. In politics he was a bitter opponent of Bismarck and a friend of the workingmen. He always labored hard for sanitary reforms and as Alderman'in Berlin took a deep interest in all municipal work.] Alvin C. Dake.

DEIVER, Sept. 5.—Alvin C. Dake, whose wife and daughter traveled \$20 miles in 20 hours and 12 minutes in a special train on the Santa Fe road to reach his bedside after being informed of his critical illness, died today. He was the ploneer charcoal manufacturer of Colorado and one of the wealthlest men in the state. He was born at Allenburg, N. Y., in 1849.

### FILIPINO FANATIC.

Rios and His Band Attack a Town in Tayabas and Are Routed.

MANILA. Sept. 5.—Rlos, a fanatic eader of the natives in the Province of Tavabas, Luzon, attacked the town of Lagumanoc, September 3, at the head of 30 riflemen and 150 men armed with bolos. The band wantonly killed two women and one girl and wounded several other per-A detachment from the native constabulary arrived unexpectedly at

### Ladies' Hands

My experience with PEARLINE leads me to think it milder on the hands, and it takes less of it than of --- to soften hard water. I am pleased with results. Mrs. Rev. S. E. V.

One of the Millions.

and have rounded up 700 men, many of whom are suspected of complicity in the attack on Lagumanoc. The gullty ones among the 700 will be picked out and the remainder set at liberty. One of Rios Lieutenants, who was cap-

tured, said Rios was a direct descendant of God and that it was beyond the power of man to injure him. The Constab-ulary have also captured one of Rios' main strongholds. Major Glen Restored to Duty.

Major Edward F. Glenn, of the Fifth Infantry, who was tried by court-martial for administering the water cure to

natives, found guilty and sentenced to be suspended for one month and to forfeit \$50 of his pay, has been restored to duty and ordered to return to his company at Bayamga, Luzon. Guidi Will Sail October 1. ROME, Sept. 5 .- On account of the impossibility of securing berths for Manila at an earlier date, Mgr. Guidi, the apos-tolic delegate to the Philippines, will sail

from Marsellles October 1, and is due to arrive at Manila November 14. Archbishop Chappelle, of New Orleans, has cabled his ongratulations to Mgr. Guidi on his ap-Neely's Troubles Not Ended.

NEW YORK, Sept. 5 .- Edward K. Jones the special assistant Attorney-General en-gaged by the United States to conduct pro-

Lagumanoc while Rios' men were still States Government in Cuba, is quoted to-there. They attacked and routed the bandits, killing several of Rios' followers by Neely that the Cuban Government had decided to abandon the claim for the re-covery of moneys alleged to have been embezzled, was entirely erroneous. Mr. Jones furthermore said that, on the con-trary, the Cuban Government, in conjunction with the United States, intended to proceed with the most active measures against Neely to compel restitution of the

#### Forest Fires Revived.

DENVER, Sept. 5 .- The forest fire in Allen's Park, which began five weeks ago, and which had nearly died out, as been revived by the strong wind of the past 24 hours and is now raging in the heavy tim-ber of the Middle St. Vrain Valley. Several ranches are threatened with destruction. A new fire started at noon today on the north fork of the Thompson, near Green Ridge, and much valuable timber is being consumed. Two ranchers' houses are in the track of the flames. A destructwe fire has started nine mtles south of Idaho Springs.

#### Incheape Rock's Crew Saved.

PORT ELIZABETH, Cape Colony, Sept. -The crew of the British ship Inchespe Rock, which arrived at Algoa Bay August 21, from Portland, Or., and which was among the vessels wrecked in Algoa Bay on September 1, were all saved

\$3 to coast.—During Elks' Carnival, to and including September II, O. R. & N. makes a rate of \$3 for round trip. Inquire city ticket office, Third and Washington.

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## STATE NORMAL SCHOOL

ELLENSBURG, WASH. Next term begins September 10, 1902. ulpped for thorough and practical training Equipped for thorough and practical training of teachers.

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ceedings against Charles F. W. Neely and other officials and employes of the United

Tuition free.

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W. E. WILSON, Principal.



WILLAMETTE

UNIVERSITY

1902-

**OPENING ANNOUNCEMENT** 

-1902=

College Liberal Arts, Sept. 16.

College of Music, Sept. 16. College of Oratory, Sept. 16.

College of Art, Sept. 16, College of Theology, Sept. 16,

Normal Department, Sept. 16.

Business Department, Sept. 16

Preparatory Dept., Sept. 16.

College of Medicine, Oct. 1.

JOHN H. COLEMAN, Pres.,

SALEM, OREGON.

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Institute CHAS. DIERKE, Principal.

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ART AND SCIENCE.

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The only Italian Vocal Teacher in

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Formerly of MILAN, ITALY,
s Catarrh and Asthma simply by his

trated catalogue.

College of Law, Oct. 6.

# PIANO LESSONS W. GIFFORD NASH

103 Tenth St. Near Washington.

Terms invariably in advance. Two 60-minute lessons a week,

\$16 per month. One 60-minute lesson a week, \$8 per month.

Three 30-minute lessons a week, \$10 per month. Two 30-minute lessons a week, \$8

per month. One 30-minute lesson a week, \$5 per month.

# (Krause Method). Six years director of department of music University of Oregon. Special attention given to tecnique and ex-pression. Beginners taken. Portland Academy Hall

The Academy will open September 15 a boarding hall for girls at 191 Eleventh street. The hall will accommodate not more than 20 girls, and will be complete in all its arrangements, offering the comforts of a well-appointed home.

For Girls

The hall will be under the immediate care and supervision of Miss Colina Campbell, of Portland. Miss Campbell brings to the office qualifications that assure string instruments taught. Medals parents that their daughters, while held and diplomas given. to the careful observance of school requirements, will be under the influence of a refined home life. For further information, address Miss Campbell, Portland Academy, Portland, Or.

MRS. MARTHA G. CROWELL Will receive students for academic and college—preparatory instruction. Certificate admits to the leading colleges. University instruction, class or private, in Greek, Latin, History, English and English classics.

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## MEDICAL DEPARTMENT UNIVERSITY OF OREGON Sixteenth annual session begins Oct. 1, 1902. Address S. E. JOSEPHI, M. D., Dean, 610 bekum building, Portland.

North Pacific

## Dental College Tenth Annual Session Begins Oct. 1st, 1902

Students admitted later than October 19 will not receive credit for a full course will not receive and appropriate and appropriate that the course will be a seen as a second appropriate that the course will be seen as a second appropriate that rill not receive credit for a full cours For information and announcement, a reas DR, HERBERT C. MILLER 509 Oregonian Building, Portland, Or.