PILOT-BOAT PUT ON

Washington Takes a Hand in Bar Business.

SCHOONER BAYARD SECURED

Astoria May Be Obliged to Contend With a New Factor in Columbia River Situation-No Dictation Now.

The Washington Pilot Commission as now constituted is about to recognize the fact that the Columbia River is not owned exclusively by the State of Oregon. The fallure of the Oregon Pilot Commission to appoint new pilots as the number of ships coming to the port increased has resulted in the Washington men taking a hand in the business, and when the shipping senson opens our neighboring state will be represented by a good schooner, carry ing a sufficient number of pilots to han die the ships, even when bad weather side of the bar. What is known as the Astoria pilot ring will no longer be able to dictate who shall and who shall ot be appointed pilots, nor will they be permitted to limit the number of pilots in the service. /This new feature in the shipping business at the mouth of the Columbia is thus set forth in a special from Seattle.

SEATTLE, July 17.-The schooner Thomas F. Bayard has been commissioned by the Washington Pilot Commissioners. as a pilot-boat for the Columbia River r. The Bayard was built at Brooklyn, Y., in 1590, and originally cost \$48,000. She is built of oak and teak, and finishings of mahogany and black walnut, and copper-bottomed, 70 tons gross, 66 tons net; length, 86 feet; beam, 21.1 feet; depth of hold, 8 feet 6 inches. Formerly the Bayard was a pliot-boat engaged off New York Harbor, and made an excellent rec-ord, proving one of the fastest pilot-boats of the fleet, and having the honor of winning one of the greatest races of pilot-boats and yachts of her class on the Atlantic Coast. She came around the Horn with a large party bound for Alaska dur-ing the Klondike excitement, and was sold by the owners at Juneau, Alaska, nce which time she has been engaged the passenger service in the Nome trade, last season making the run from Nome to Seattle in II days. She is said to be a faster bont than the schooner Jessie, and shipping men on Puget Sound and the Columbia River that are familiard with bonts are satisfied that she is the faster boat and a more suitable pilot-boat than the Pulitzer. In fact, the Pulitzer that way; most of them have too many and Bayard resemble each other very other duties, and take too much interest and Bayard resemble each other very much. The Pulitzer is 76 tons gross and 72 tons net; length, 75 feet; beam, 22 feet. During the past month the Bayard has Your conception of what work we have to undergone extensive repairs in being spe-cially fitted up for the bar service, and her rigging and sails are all new. She carries water tanks, with a capacity of 1500 ons of water.

The placing of the Bayard on the Columbia River har is the result of the numerous complaints of shipping interests and the agitation by the Portland Chamber of Commerce to bring about a satisfactory service at the mouth of the river. It will be remembered that meetings were held at Portland with the Oregon Pilot Comsioners, without satisfactory result. and the former Washington Pilot Commis-sioners were acting with the Oregon Comintend that such Washington pilots shall belong to the Washington boat, but the former Board of Commissioners acted on the theory that the Oregon boat, owned by the Oregon pliots, was sufficient, and that the Washington pllots were compelled to be attached to that boat.

There is no state feeling, jealous or self-

ish interest as between the States of Oregon and Washington as to what state has a pilot-boat, but what they do want is competition, and that sufficient pilots and boats be in service on the bar properly to take care of the ships.

When Governor McBride, of Washington, appointed the present Board of Washington Commissioners it was with the understonding that the Commissioners would do all possible to improve the service and rectify the complaints made by shipping men of Portland and others, and, if possible, to have in service a Washington pilot-boat manned w Washington pilots. The vast amount from Eastern Washington that flods its way to the sea through the Port of Portland, down the Columbia River and the State of Washington has as much interest in cheap toils and unobstructed traffic to the sea as the products of the State of Oregon, and the present Wash ington board and pilots on the Washing-ton boat will aid and do all possible to that end and work in harmony with the shipping interests of Astoria and Port-land, as well as those on the Washington side of the river. They feel satisfied that in their present undertaking they will have the moral support and backing of the shipping interests of the Port of Portland, who will gain so much by this improved service.

Just how many new pilots the Washington board will license to be attached to the Bayard the Commissioners do not now state, but it is reported on go thority that the Commissioners will feel their way along and will increase the number of pilots from time to time as the necessity may demand, their object being an efficient service, whether it requires

three pilots or twenty.

The Bayard is expected on the Columbla River about August 1. She will be in command of Captain G, W. Torrey, her principal owner and a mariner of many years' experience on the Atlantic and Pa ping circles. She will carry a crew of three men besides the cook,

CUBA'S IMPENDING RUIN. Vigorous Arraignment From the

Reciprocity Point of View. Chicago Inter Ocean. The Diario de la Marine, of Havana, monstrates ir figures the ruin with

which Cuba's chief industry is now threatened. The figures are taken from the books of a leading planter. They set forth, therefore, an actual and recent This planter had 10,000 bags, or 2 300 oon

of sugar of such high grade that he was able to get for it 10 cents a bag above the current New York price. Yet, having no other market, he was obliged to sell his crop at a net loss of over 68 Maine just to get a taste of some of the This cents a bag. His expenditures and re-ceipts were as follows:

Actual cost of production and transportation to Havana, per bag, \$1 3123; freight, insurance; brokerage, etc., Havana to New York, per bag, 68 cents; duty, per bag, \$5 392; tôtal cost delivered to refin-ery, per bag, \$10 3845; received from refin-

est on capital, and depreciation of plant, his net loss on his year's work was \$6543. No business man needs to be told that to attempt to do business under such con

attempt to do business under such con-ditions is simple ruin.

It is to be noted that \$53,99 of the planter's tolal expenditure of \$180,843 was for taxes paid to the United States. In other words, more than half of every \$100 produced by capital and labor on Cuban sugar plantations goes to the United States Treasury, which does not need the money.

"Some may call this," observes the Diario de la Marina, "liberty, independ-ence and sovereignty, but others call it the harshest kind of economic depend-

The fact is that we are treating Cuba as harshly, from the commercial view-point, as did Spain. While giving Cuba political freedom, we have condemned her to an economic slavery which makes that freedom worthless.
Such is our-record in Cubs to date

Such is the record written by Republican Such is the record written by Republican Senators and Congressmen who harkened to the voice of Oxnard rather than to the voice of the American people. The Republican members of Congress who think they can defend and justify that record before the American people

at the poils have an unenviable task—a task of which the Republicans who stand with William McKinley and Theodore Roosevelt would gladly wash their hands.

AFFECTIONATE TO A DEGREE Tribute of Sincere Proise From the Gentler Sex, So Called.

PORTLAND, July 15 .- (To the Editor.)-In an editorial some time ago you said the reason why the men at the Poor Farm outnumbered the women is because at any stage of life's battle, women are better able to take care of themselves than are men. I wanted to thank you ere this, Mr. Editor, for that statement. Coming, as it does, from a man, and a newspaper man ot that, it is doubly welcome to woman kind in general. It shows that you appre ciate our herculean efforts to bring our-selves up to masculine perfection. Then, some days later, I read with much

interest a letter by your correspondent "L. S." who is evidently touring in Colo rado, in which letter he, like so many newspaper men, calls women silly. Your editorial and the welcome information imparted by "L. S." concerning us poor women made me think-something we are not often credited with doing. And it came to this body of silliness that it is very, very strange that such a foolish being as woman-who does and says all of the senseless acts and sayings that are dene and said in this world-should come out ahead when pitted against that most perfect being, known to us by the absurdedly little word, "man?" Now, if we women had arrived at the goal of our endeavors, viz., feminine perfection, ac-cording to example set by men, the fact stated in your clittorial would not surprise me in the least,
Take art, for instance. If we only un

derstood art like men do. Then we could have our ice cream pariors decorated with pictures of nude males-you always call us "females," whenever opportunity of-fers, Mr. Editor-leaning against an old

do is erroneous.

And if only the candy stores were on corners, with the two outside walls re-placed by windows! Then we women could stand there and stand there, and make remarks about the shapes of the men as they go tripping by. Another step toward masculine perfection. But where and how we are to get our meals is a mystery to us, as we are evidently never allowed to us, as we are evenently never anowen to leave our places, when once stationed. Perhaps, kind Mr. Editor, you could send one of your reporters to solve the problem for us. Are we to be fed by the fairies; or, what is more substantial and certain, do we have to lay in a supply of slowly digesting food before we leave home? missioners and Oregon pilots. The laws of the State of Washington regarding the licensing of pilots and the keeping of a pilot-boat off the Columbia River bar see we could find out for ourselves, but we are so dull that it would take us a year and seven days, and we can but ill afford to lose so much time now, as we have so much to do to raise ourselves to the acrial heights of mascultne and perfect womanhood. Some of us are more advanced than others. There are women who can smoke, chew, swear and drink most beautifully, but I notice the men don't care to be seen in their company. They seem to prefer the stlly ones; and it's their own fault if there are so many of that class. The men discourage all advance ment to manly habits among their women relatives. Why do they? Is it because they cannot bear rivalry; or is it because—but of what am I thinking men can have no vices or faults, can they MRS. W. H. BARRY.

AS TO MAINE SALMON.

Very Scarce in the Water, Though Plentiful on the Bills of Fare.

New York Sun. BUCKSPORT, Me., July 4 .- "This no tion of advertising Kennebec River salmon which has been adopted by the New York and Chicago hotels and restaurants causes me to have several kinds of severe pains," said one of the largest dealers in fish on the river. "I won't say that there are no salmon in Kennebec River, bevestigate; but so far as taking salmon out of the river is concerned, there has not been a ton captured within the past 20 years.

Why, the people on the Kennebec gave up trying to catch salmon during the Civil War, They set no nets, put out no welrs and have no hope of ever securing any.
"But the men who run big hotels in the cities are not the only liars about salmon. I admit we do something in the mendacity line right here at home.

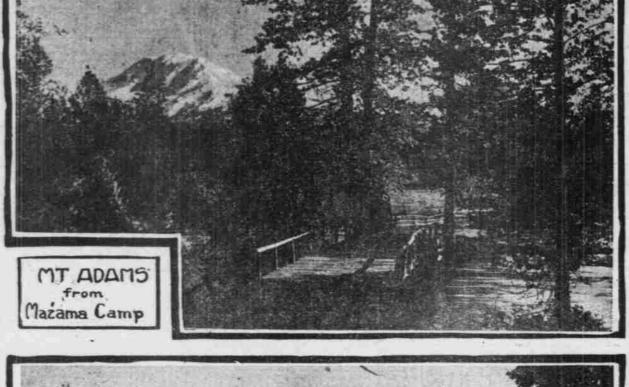
"For example, the total catch of salmon on the Penobscot this year will hardly be enough to supply the local demand. Meantime, I am buying salmon right out of the weirs, packing them in ice and shipping them to private customers in all parts of the country east of the Mississippi River.

"I am getting on an average 50 cents a pound for all I can sell. Rich people who want Maine salmon are willing to pay well for them, so long as they are sure they are getting the genuine article. "At the very time I am charging 50 cents a pound for Maine salmon and the 20,000,000 pounds. Oregon produced about buyers are settling the express charges. 19,500,000 pounds, and Washington about the local marketmen are selling salmon for from 20 to 25 cents a pound. If you ask them where the fish were caught they will say they came right out of the welr, which is true, though the weirs are out in Oregon, and the fish came through in cold storage.
"Nobody suffers from the deception

to be sure, for Pacific salmon is as good as ours, but the lie is there, just the same, and the men who sell the fish smile to themselves whenever they get a new customer in the shape of a Summer vis-itor who has come to his old home in famous Maine salmon.
"The salmon season in Maine closes

July 15, and I think the total catch this season will be worth about \$3000, which is a very low figure for an industry that received so much advertising.

"Down in Orland the United States has a fish hatchery, which takes about 1999 a fish hatchery, which takes about 1000 per sheep to the sheep is worth il more. It takes from agement has been able to get no more than 600 fish, though the highest market the price is paid. If things keep on this way The wool of the Valley is produced price is paid. If things keep on this way The wool of the Valley is produced to market the price is paid. If things keep on this way the small quantities. In Eastern







Mazama Camp Photos. by Hicks, Challen

WHITE SALMON, Wash., July 17,-The last of the Mazamas has passed White Salmon for Mount Adams, and in all over 100 are camping at Trout Lake. The road has been lined with mountain-climbers for two days, the first party arriving Monday and starting for the camping grounds Tuesday. The second party arrived here Tuesday and left for Trout Lake yesterday. Last night there was a joily re-union around the campure. Today President Mark O'Neill and H. L. Pittick started for the mountain. The Manness spent today in preparing their outfits for the climb, and will move their camp tomorrow up to the snow line. Saturday the ascent will be made.

PORTLAND DEALERS NOW HOLD ABOUT 4,000,000 POUNDS.

State's Product Estimated at 19,500,-000 Pounds-Not More Than 2,000,-000 Pounds Unsold in Northwest,

About 4,000,000 pounds of wool, one-fifth of Oregon's clip, is in Portland. It is held mostly by two local dealers, who held mostly by two local dealers, who are preparing it for export at the rate of about 200 bales a day. Warehouses are choked with the product, and people who wish to see a large collection of wool now have the opportunity. The balers have been busy for two or three months.

A large part of the wool has come from Fastern Oregon as far away as from Eastern Oregon as far away as Eligin and Huntington districts. Those districts have no balers, and the O. R. & N. makes a low freight rate to Portland to enable the work to be done here. The quality of the clip is better than ever be-

fore. The wool is cleaner than usual, especially from Eastern Oregon. Weather last Winter was mild, so that the texture of the wool is very good.

Not much more than 2,000,000 pounds remains unsold in the Northwest. over clip is scattered all over the North-west, in quantities mostly over 20,000 pounds. The total clip this year of the three states is estimated at close upon 20,000,000 pounds. Oregon produced about

2,000,000 more. The Willamette Valley has yielded about 2,000,000 pounds. There are

more sheep in Oregon than ever before, but the clip is somewhat lighter than usual per sheep, and of better grade, due in part to freedom from dirt.

The season has been a free selling one at good prices. Valley wool began at about 13% cents, and went up as high as 16 cents. Eastern Oregon's clip started out at about 114 cents, but most of it brought 124 cents. A New Jersey mill bought 3,000,000 pounds, direct from Eastern Oregon, paying as high as 15% cents, This venture is regarded as the begin-ning of a movement to eliminate middle-

said a dealer yesterday. "This means \$1 agement has been able to get no more than 600 fish, though the highest market planter received but \$57,000. With no allowance whatever for local taxes, interport our breeding salmon from Oregon."

In other words, for sugar that cost him than 600 fish, though the highest market price is paid. If things keep on this way planter received but \$57,000. With no allowance whatever for local taxes, interport our breeding salmon from Oregon."

If you wish to enjoy a day of rest and the sheep is worth \$1 more. It takes from the sheep is w

BIG CLIP OF OREGON WOOL | ness on a large scale, to which growers devote their entire attention. Pound per pound of wool. Eastern Oregons are fingrade than Valleys, and more valuable out they contains , more extrançous mai ter, and this makes their gross value less than that of Valleys, "Valley we about 46 per cent in cleaning." buyer yesterday, "and Eastern Oregon

ZANE GETS THE CONTRACT

Portland Man Will Print A. O. U. W. Reporter for Grand Lodge.

The Ancient Order of United Workmen entinued the gession of their grand lodge yesterday, routine business occupying a greater part of the day. The matter of the Oregon A. O. U. W. Reporter, the offi-cial organ of the Workmen fraternity. was settled by awarding a three years printing contract to J. H. Zane, of this city. A number of claims were adjusted, after which Grand Lodge adjourned until this morning at 10 o'clock, when installation ceremonies will be held. Last ing R. L. Durham entertained the cers of the Grand Lodge at dinner at the Commercial Club.

DEGREE OF HONOR ADJOURNS.

New Grand Lodge Officers Installed With Appropriate Ceremonies.

The Grand Lodge of Oregon, Degree of Honor, concluded its annual session vesinstalled officers and adjourned. When the morning session opened, Su-preme Master Workman C. C. Hogue, Past Workman B. J. Hawthorne and W. D. Hare were admitted to the lodge room on a fraternal call. When the Grand Lodge resumed its work, and after final routine business of the session had been transacted, the grand chief of honor a beautiful set of silverware-a gift from the Grand Lodge. Bouquets were presented to other officers, all of whom made brief responses. . The installation ceremwere conducted by Acting Superior Chief of Honor Kate J. Misener, Past Superior Chief Julia Gault, and Superior Usher Mamie W. Briggs' After the installation, committees were appointed as follows: Finance, Mary R. Hogue, Albany: Fidella Mann, Portland. Law. Mary A. Hare, Hillsboro; Georgina Smith, Hood River; A strong reason for the free selling Millis Pugh, Salem. Last evening too movement is the good profit which curGrand Lodge visited Fidelity Lodge, No.
14. Degree of Honor.

RECREATION.

TO BUILD SEWER SYSTEM

CITY ENGINEER MAKES PLANS FOR NEW PIPE LINE.

Unless Opposition Develops, Albina Improvement Will Be Made as Soon as Possible.

The Cook-avenue sewer system in Aldna will be built this fall, unless there should be developed opposition strong enough to cause delay. This is improb-able, as there seems to be a general desire that the improvement should be made as soon as possible. City Engineer Elliott has not yet perfected the plans for the routes of the main conduit, beyond what was done by his predecessor. Most of the preliminary surveys were made by the former City Engineer, and some trac-ings made of the route of the main pipe line, but even this is not permanently

There is so much work on hand in the office of the City Engineer that he will hardly be able to complete the plans and estimates of the system until he has a second crew in the field. New houses are springing up rapidly all through this district, and the need of sewerage is very great. There is more territory in the Cook-avenue district than in the Beechstreet section. It is estimated that the cost per lot will be considerably less in the former than in the latter district. When the Beech-street sewer was first proposed there was great opposition and sult in confiscation, but the actual cost er lot was not above the estimate, and he property-owners are generally satis-The City Engineer will have the plans for the work ready by the time the people think that it should com-

The territory in this system is mainly west of Union avenue, although it reaches about 100 feet east of the ave-But eastward sewerage is also d. A new system will have to be provided for this territory. There has een an extraordinary growth in ouses east of Union avenue in Lincoln Park, Northeast Irvington, which will soon have to be provided for

TO BUILD NEW MACHINE SHOPS,

Premiliminary Work Started on the Plent of Phoenix Iron Works. Grading was started yesterday on the half block on the east side of East Third street, between East Clay street and Haw-thorne avenue, purchased by the Phoenix Iron Works Company. The company will have the advantage of solld ground for

shops, although there is a considerable depression on Hawthorne avenue. The south side of the block is high, and the SCENES ABOUT MT. ADAMS, WHERE THE MAZAMAS ARE TAKING THEIR OUTING dirt is being scraped into the depression. It is the intention of the company to push the erection of the buildings required by the plant with all possible en-ergy. Lumber for the buildings will soon

e on the ground. The Standard Oil Company is preparing rebuild its warehouse on East First and East Main streets. Brick from the and East Main streets. Brick from the old walls have been cleaned and stacked up to be used sgain. At present, however, it is difficult to get material to this building, as the roadway was destroyed. A narrow temporary roadway has been built along East Water street, from the office of the Standard Oil Company to the standing roadway, over which material can be taken to rebuild the office, which will be made two stories. George Flanwill be made two stories. George Flan-ders, the agent, is proceeding with the re-pairs regardless of the efforts made to remove the oil tanks from the city.

The basement of Dr. Surman's ruined utilding on East First street and Hawthorne avenue has been cleared of wreckage, preparatory to rebuilding. Part of the walls will be torn down, as they have been through two fires.

BOLD THIEF ROBS A HOUSE.

Carlson Home, 275 McMillen Street, Entered Yesterday Morning.

At an early hour yesterday morning the home of August L. Carlson, 275 Mc-Millen street, was broken into and robbed. Some money and Jewelry were taken. A kitchen window was forced up by means of a jimmy. From the window the burglar made his way to the room occupied by Mr. Carlson on the second floor. The latter usually returns home in the morning, as he is a member of the firm of Carlson & Beck, saloonkeepers, on Burn-side street, and although Mrs. Carlson heard the noise of the burgiar when he opened the window and moved through the house, she suppsed that it was her husband, and gave the matter no atten-

Mr. Carlson had already arrived home and was sound asleep. He slept so sound-ly that the burglar was able to ransack his room thoroughly and go through the bureau drawers, scattering things in ev-ery direction. When he got up yesterday morning, later, he was amazed to find evidences of a burglar's vielt. A gold watch, chain and charm, some jewelry and \$2.50 in money were taken.

OPPOSED TO NEW SCHOOLHOUSE.

Russellvile Taxpayers Again Voted Against Special Building Tax. At a meeting of the taxpayers of the Russellville school district, on the Base Line road, Wednesday evening, the proposition to levy a special tax for building purposes was voted down.

A statement was made by the directors

as to the wants of the district, to the ef-fect that more room was necessary to ac-commodate the children, but the meeting lecided that more room was not required and that the directors should get along with the present facilities. This they will do. The directors announced at the meet-ing that they would be governed entirely by the wishes of the people. However, being familiar with the conditions in the district, the directors were somewhat dis-appointed over the action of the meet-

I. O. O. F. Officers Installed. Industrial Lodge, No. 26, I. O. O. F., Albina, has installed the following officers:
T. C. Tigard, past grand; Andrew Paulsen, noble grand; R. E. L. Simmons, vicegrand; J. A. Estes, secretary; M. A. McEachern, treasurer; T. J. Thompson, conductor; William E. Hayward, warden, J. W. Boothe, right-hand supporter noble grand; T. W. Vreeland, left-hand supporter noble grand; B. E. Menefee right-hand er noble grand; R. E. Menefee, right-hand supporter vice-grand; Hugh McCauley, left-hand supporter vice-grand; E. L. San-born, right scene supporter; J. C. Jame-son, left scene supporter; Robert War-wick, inside guard.

To Reopen Centenary Church.

Preparations are being made this week for reopening Centenary Methodist Church Sunday to public services. Extensive improvements have been made to the auditorium. A special programme is boing arranged. The church auditorium has been closed for over two months. Elshop Thoburn and Bishop Cranston will take part in the services of the day.

East Side Notes. The funeral of Olga Berg, a school girl, lving at Montavilla, was held yesterday from her home. She attended the Montavilla School and was a bright pupil. R. J. Bowland, principal of the Monta-villa School, and wife have gone to Ohio to spend the vacation. They will return is time for the opening of school in the

Mrs. A. J. Aylesworth, of Montavilla, who was severely injured by two wheel-men on the cycle path between the Base Line road and North Montavilla, a few ago, is slowly improving. Avlesworth is advanced in years, and hence her recovery is slow.

The contractor is pushing the improve ment of East Burnside street. The street is graveled from East Eighth to East Twentietn, and finished part of the dis-tunce. A solid foundation of broken stones from the Mount Tabor gravel pit is first laid. The planking has been torn

SWIMMING BY RULE.

Natatorial Instruction of New York School Children. Hartford Times

The simple, old-fashioned way to teach a boy to swim was for the other boys to throw him in the water and merely see to it that he did not actually drown. It work-ed pretty well, and the boys subjected to the treatment learned fast, although their parents sometimes considered the way brutal-if they heard anything about it. Now, in a big city this is all changed, The boys and girls are both taught to swim, and in New York this year there is to be a considerable enlargement of facili-ties. It is proposed to give a two months swimming course to all boys and girls under 16 who apply for it, and at the end of the time there will be diplomas for those who have finished the course creditably, and probably a gold medal for the best boy swimmer and another for the best girl swimmer. Only those can be ad mitted who have not learned to swim be

To one who remembers the old roughand-ready methods the most astonishing part of the scheme is the scientific exact-ness with which swimming is to be taught—is taught in some places now. The pupil begins on dry land and practices the arm movements under the direction of an in-structor, who counts one, two, three to time the motions. When he is supposed to be somewhat familiar with the muscular movements required he is put into the water and there he is taught floating, then the breast stroke, then the overhand stroke, diving, rescuing drowning people by throwing ropes or by diving for them and then the method of resuscitating those who are half drowned and uncon

TIME CARD, STEAMER T. J. POTTER

This week the O. R. & N. Co.'s steamer T. J. Potter will leave Ash-street dock for Astoria and Ilwaco as follows:
July 15, 10:30 A. M.; July 16, 11:30 A. M.; July 17, 12:30 P. M.; July 18, 1:20 P. M.; Saturday, the 19th, at 2 P. M. Baggage must be received at Ash-street dock 30 minutes before departure. Ticket office Third and Washington.

EXCURSION RATES TO SALT LAKE CITY.

For the Elks' convention at Sait Lake. August 12-14, the O. R. & N. will sell 30-day round-trip tickets at rate of \$29.50; for return through San Francisco via rail or steamer, \$44. Tickets on sale August 9 and 10. Call at O. R. & N. office, Third and Washington, for further information.

INDUSTRIES KLAMATH COUNTY OF-FERS GOOD ADVANTAGES.

Possibilities of Land Under Irriga-

tion Are Immense-Climate and Other Characteristics.

KLAMATH FALLS, Or., July 15 .- (Special correspondence.)—This thriving town is located on Klamath River, about two miles south of Upper Klamath Lake, of which I wrote in a former letter, and only one-quarter of a mile below the rapids, or the "falls," as they are erroneously called. There will come a time when the word "falls" will be omitted from the name of this postoffice and it will be known already as Klamath. it will be known simply as Klamath.

The average width of the Klamath
River between the lake and the town is

330 feet, average depth less than four feet, and the maximum fall between the point where the rapids begin and the bridge here in town 65 feet. The winds-militate to vary the volume of water somewhat. If there is a stiff gale from the south, it has a tendency to bank up the lake water at the head of the rapids, and the river falls perceptibly. With the winds from the north, the river has been known to rise 1½ feet in a short time.

The mean or normal volume of the river at the rapids is estimated to be about 220,-000 inches. If the maximum fall is utilized (66 feet), it is estimated that the energy thus generated within the city limits would equal 25,660 horsepower. Those of an industrial turn of mind will know what this means. It is capable of supplying this county with electric roads to every town and postoffice. It would supply energy to operate all the manufacturing establishments that might result from the development of this county during the next quarter of a century at least.

Industries Likely to Spring Up. The billions of feet of timber tributary

to Klemath Lake, and through it di-rectly to town, could be reduced from the raw material to various commercial commodities by this abundance of power from Klamath River. It is very probable that there will spring up at Klamath Falls in the near future sawmills, flouring mills, box and stave factories, woolen mills. furniture factories, paper mills, slaughter-houses, rendering establishments, depots, roundhouses and various minor industrial concerns. The 12,000,000,000 feet of lumber tributary to this point is alone sufficient to create a city of no mean proportions, The new railroad from Kiamathon, Cal., is building this way, and will reach within 30 miles of Klamath Falls before snow files. This town has a future which is

near at hand, But this water power is but one of the invaluable natural resources of this un-developed country. The Upper Klamath Lake, being a mammoth natural reservoir, supplied perennially by living springs, is an everlasting guarantee that this county can have an adequate supply of water at all times for all irrigation purposes.

Possibilities of Irrigation. Assuming that the 2,206,000 acres of grazing and agricultural land can be irrigated to at least two-thirds of the extent of its

area, it appears that there are in Klamath County, at least 1,470,666 acres of good grazing and farming lands that might be brought under an irrigation system that would increase its usefulness and value many hundred per cent. There is only a very small proportion of this area at present occupied or improved, hence the great advantages and attractions this county offers to settlers.

Some irrigation data are appropriate at

this point. Already property-owners per-ceive the great value of the irrigating canal, and have begun to invest and con-struct along this line. The Klamath Falls Irrigating Company secured a franchise 12 years ago to divert 20,000 inches of water from Klamath River just above this eity. It constructed a small canal at first and has since widened it until it is now 15 feet wide. The company diverts about 5000 of its possible 20,000 inches, and proposes to enlarge the ditch to its full legal capacity. The Merrill Mutual Canal Company, incorporated for \$150,000, and with a capacity of 39,000 inches, has one-half its stock already subscribed, and proposes to construct its canal, finishing by the end of 1903. The Moore & Martin ditch will be entitled to 15,000 inches of water, which will be drawn from the west side of Kiamath River, the other two mentioned canals drawing from the east side. The Little Klamath Irrigating Company will divert

20,000 inches from Lower Klamath Lake. Inch of Water for an Acre. These four companies, when using their full quots of water allowed by provisions of their respective franchises, will divert 85.000 inches of water. Each inch of water will be sufficient to irrigate one acre of ground for the first three years, and after that two acres. So these four companies have a maximum capacity after three

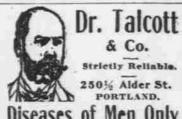
cears of 170,000 acres. The character of the land here, now known as "dry ranches," or ranches not under any irrigation system, are held to be worth \$5.50 to \$7 per acre. They produce oats, rye, wheat and grasses. After they are brought under irrigation they are worth \$25 to \$30 per acre, and once alfalfa they will readily bring \$50 per

The climate here is most healthful. The nights are cool and conductve to sleep and rest. The Winters, from the meteorological records, are not as severe as in other ortions of Eastern Oregon, Apples, cherries and pears do well here. The country is especially adapted to raising cattle, horses, sheep and goats. It abounds in game, and the hardier

regetables all thrive here. Nature has established foundations for Summer resorts among the crystal ice-cold springs, and its boiling, steaming medicinal waters will yet attract the weary and afflicted, and become one of its greatest advertisements to the EDWARD EVERETT YOUNG.

CROWD AT SHIELDS' PARK Fine Programme Enjoyed by Many Amusement-Lovers.

An unusually large crowd enjoyed the programme at Shields' Park last night, and the many excellent numbers were applanded so liberally that many of them had to be repeated. The moving pic-tures, particularly the "Ancient Magie" picture and the closing one, were good, The park is proving a decided success, and a more pleasant way of spending a Summer evening cannot be imag-



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