THE MORNING OREGONIAN, MONDAY, JANUARY 4, 1909.						
Industrial Growth in the Pacific Northwest PORTLAND BUSINESS DIRECT						
FACTEDN OVETEDE			WHOLESALE	WHOLESALE	WHOLESALE	WHOLESALE
LASILAN UTSILAS	The second second second second second		AGRICULTURAL IMPLEMENTS. A. H. AVERILL MACH. CO., 320 Heimont.	ELECTRIC MACHINERY SUPPLIES. PACIFIC ELECTRIC ENG. CO., 218 24. WESTERN ELECTRIC WKS. 81 6tb.	BASTERN & WEST, LUMBER. JONES LUMBER CO., 4th & Columbia.	STEEL BEAMS, CHANNELS, ETC. PACIFIC I. & S. WKS., E. Burnside Bridge
DO NOT DOODAPATE			BEALL & CO., Ell Hawthorne ave. JOHN DEERE PLOW CO., E. Yamhill & 24. A. S. JACOBS CO., 165 Front.		NORTH PAC. LBR. CO., 300 Wells-Farge bl.	COLUMBIA STREL CO., 146 10th,
DU NUI PRUPADAIL :			MITCHELL, LEWIS & STAVER, E Mor & 24. RACINE-SATTLEY CO., 260 E. Watsr. SCOTT & MUNSELL, 221 E. Morrison.	ENGINEERS. PACIFIC ENGINEERING CO., 508 Lum. EX	SCHMIDT Lithograph Co., Wells-Fargo bidg. LAUNCHES. RETERSON MACHINERY CO., 182 Morrison	ETOVES AND RANGES. LOWENBERG & GOING CO., 18th and Irving.
(123	ART GLASS AND MIRBORS. POVEY BROS, OLASS CO., Sta & Finders.	FEED, GROCERIES AND PRODUCE. J. D. HENNESSY & CO., 195 Front.	LIME, CEMENT, PLASTER. THE J. M'CRAKEN CO., 221 Pine.	TALKING MACHINES AND RECORDS. EILERS PIANO HOUSE, Wash. & Park sis, TRANSFER AND STORAGE.
Low Temperature of Water on			ASBESTOS MATERIAL GILLEN-CHAMBERS CU., 60 N. FTORL	LENSCH BROS., 241 Front st. THE STEPHENSON CO., 234 Front.	LIVESTOCK COMMISSION. PORT. UNION BTOCKY DS. 17th & Vaugha.	HOLMAN TRANSFER CO., 8-19 Front. OREGON AUTO-DESPATCH CO., 13 1st OREGON TRANSFER CO., 134 N. 6th.
Western Coast Said to			AUTO AND HIGYCLE SUPPLIES. BALLOU & WRIGHT, 55 6th.	FENCE AND WIRE WORK. E. PORT. F. & W. WES., SOS E. Morrison. FIRE APPARATUS.	LOGGEB BLOCKS, TOOLS, COLUMBIA STEEL CO., 146 10th.	TRUNES AND BAGS. MULTNOMAH TRUNK CO., 121 E. Wates.
Kill Spawn.		e enda.	PACIFIC TENT & AWNING CO., M N. Ist.	A. G. LONG, 45-47 N. 5th. FIREPLACES AND TILES.	CHAR L MASTICK & CO., 74 Front street.	WAGON AND TRUCK WORKS, AND NORTH PACIFIC WAGON WORKS, AND
			BABBITTS, SOLDEB, ETC. PACIFIC METAL WKS., To N. 2d.	"BARRETT"S," 408-412 Morrison. FISH AND OYSTERS.	MAR. ORDER AND SUPPLIES. FRANKLIN & CO., 132 Front st.	and Hoyt. WALL PAPER. HENRT BERGER CO., 128 Ist.
			BAGGAGE AND TRANSFER. BAG. & OMNIBUS TRANS. CO., Sta & Oak.	CHLOPECK FIEH CO., 173 Burnside, PORTLAND FISH CO., 34 Front.	MARINE HARDWARE. CHAS F. BEEBE CO., 1st and Ankeny.	HENRT BERGER CO., 128 Ist. WINES AND LIQUORS. BLUMAUER & HOCH, 108 4th
NATIVE BEDS THINNING			W. C. NOON BAG CO., 28-36 1st st.	FOUNDERIES, CASTINGS. PACIFIC L & E. WKS., E. Burnalde Bridge.	MACHINERY MERCHANTS.	HENRY FLECKENSTEIN & CO., 204 34. H. VARWIG & SON, 231 Front.
			BAHERIES, BOTAL BAKERY CO., Hita and Everett,	FRUITS, EGGS, FOULTRY AND MEATS. DRYER, BOLLAM & CO., 128 Front.	PACIFIC ENGINEERING CO., 509 Lum. Ex FORTLAND MACHINERY CO., 62 Let. ZIMMERMAN-WELLS-BROWN, 2d and Ash.	JOHN A. ROEBLING'S BONS CO., 91 14
Measures Needed to Protect and In-	A CONTRACTOR DOOR	and the set of the set of the second	BELTING AND MILL SUPPLIES. NOTT-DAVIS CO., 49 181 st. PAGE BELTING CO., 45 1st st.	FBUIT AND FRODUCE. BELL & CO., INC., 109-115 Front. DAVENPORT-THOMPSON CO., 144 Front.	MILLINERY. BUTLER-SCHUTZE CO., 65 5th. CASE & REIST CO., 5th and Oak.	WIRE AND IRON WORKS. PORTLAND WIRE L WKS., 2d & Everett.
crease Industry-Large Beds in Coos Bay Were All Killed.		a second prove and	BALLOU & WRIGHT, 56 6th at.	W. H. GLAFKE CO., 108 Front. MARK LEVY & CO., 121-123 Front. M'EWEN & KOSKEY, 129 Front.	MONUMENTS. BLAESING GRANITE CO., 267 8d. IMHOFT & MINAR, 385 E. Morrison.	JOHN A. ROEBLING'S SONS CO., BI 184.
Report of Biologist.	En antiparte de la constante de	AND A DESCRIPTION OF THE PARTY OF THE PARTY OF THE	THE J. K. GILL CO., 135 3d.	PEARSON-PAGE DO., 131-133 Front.	PORTLAND MARBLE WORKS, 208 lat. BCHAMEN-BLAIR CO., E. End Mad. Bridge.	WIRE EOPE, LOGGING TOOLS. 8. B. HICKS & SONS CO., 44 IN.
—	EASTERN TRANSPLANTED OVE ON ONE SIDE TO SHO	TER WITH OLYMPIA HALF SHELL W COMPARATIVE SIZE.	BOOTS AND SHOES-RUBBER GOODS. DOUGHERTT-FITHIAN SHOE CO., 65 Sth. GOODMAN BROS. SHOE CO., 50 Fromt.	FURNACES AND REGISTERS. MOORE-MEAGHER CO., 42 1st. FURNITURE.	J. B. PILEINGTON, foot Yamhill -	WOOLENS AND TRIMMINGS. GARRATT 4 YOUNG, 92 Lat.
Professor A. R. Sweetser, State Biologist For Oregon, has made an exhaustive study	1		PRINCE SHOE CO., 80 5th st.	HEYWOOD BROS. & WAKEFIELD, 148 1005. PETURS & ROBERTS FUR. CO., Front-Davis.	ORGANS, CHURCH AND PARLOR. EILERS PIANO HOUSE, Wash, & Park sta.	FINANCIAL
of the oysters and oyster-beds of the North Pacific Coast and his findings are		plated the construction of one of its twin reservoirs at the head of the valley, 30	BOTTLES, CORES, DEMIJOHNS. HEITSHU, GRANT & CO., 44 Front st., drug and manufacturers' agents.	METER & FRANK COMPANY.	PAINTS AND OILS. RELLY, THORSEN & CO., 32-54 Union ave. RASMUSSEN & CO., 194-196 2d.	BONDS AND MORTGAGES. H. E. NOBLE, 312 Commercial bldg.
mmbodied in a report which be has re- mently submitted. Following are some ex-	MALMEUK HAS BUUM	miles from this city. The land is to be sold on condition that the work of setting	BOX MANUFACTURERS. MULTNOMAH LUMBER & BOX CO. Phone Ex So.	GRADING AND ROCE MACHINERY. BEALL & CO., 321 Hawiborne.	RASMUSSEN & CO., 194-196 2d. TIMMS, CRIES & CO., 146 lst. PAPER AND SHELF BOXES.	BONDS AND STOCKS. OVERBECK & COOKE CO., 325 C, of Com.
graces from this report, doaling with the industry in Gregon:		out fruit trees is commenced by each buyer in earnest this Spring. The company's system consists of two	BREWEBIES	GRAIN AND BAGS PATERSON, SMITH & PRATT, Board of Trade Bldg.	PORTLAND PAPER BOX CO. 208 Oak. P. C. STETTLER, 10ta and Gilman sta	W. J. CLEMENS, Commercial Club bldg.
Several years ago Eastern oysters were planted in Yaquina Bay and placed under the charge of the State Biologist. They		reservoirs, an upper and a lower, with a f storage capacity at this time of about	ENTERPHIRE BEER AGCY., 18th & Johnson,	W. A. GORDON CO., Board of Trade bldg. GRAIN, FLOUR, FEED, CEREALS, ALBERG BROS. CO., Front & Main.	PAPER AND STATIONERS. BLAKE, M'FALL CO., 65-12 stort. J. W. F. M'FALL, 105 Front.	HENRY HEWETT & CO., 175 Sheriook bidg. D. W. HOELBING & CO., 311 Stark. LAMBERT-WHITMER CO., 107 Sheriook.
grew rapidly and became fat, the meat of many of them measuring four inches		sufficient water for 20,000 acres of land. The company has secured options on most of the land coming under the canal and	ZAN BROS., INC., 50-62 Front. BUTTER EGGS CHEESE, ICE CREAM.	COLUMBIA MILLING CO., EL 2d & Marzes.	PHONOGRAPHS, BHERMAN, CLAY & CO., 6th & Morrison,	PETTIS-GROSSMAYER CO., Hoard of Irade
by two inches, but little or no evidence has been found of any increase and they	oregon for 1505.	will settle up the first tract this year and have the remainder served with water	Front.	ALLEN & LEWID, 44-54 Front st. MASON-EHRMAN & CO., 5in and Everett. WADHAMS & CO., 4th and Oak	TANOS	LIFE INSURANCE COMPANIES. MUTUAL BENEFIT LIFE OF NEWARE, N. J., Failing bidg.
are rapidly dying of old age. They have been seen to spawn naturally and arti-		in the Spring of 1910. For many years past a few orchardlets have been growing fruit with excellent		WADHAMS & KERR BROS., Hoyt and 4th. GROCER-WHOLESALE AND RETAIL.	SHERMAN, CLAY & CO., 6th and Morrison.	MORTGAGE LOANS. WILLIAM MAC MASTER, 302 Worcester bld.
ficial fertilization has been resorted to and the young liberated into the bay, but		results in the Willow Creek country, but there was no convenient means of mar-		GUNS AND FISHING TACKLE.	PICKLES, VINEGAR, ETC. ENIGHT PACEING CO., 474 East Alder. PLUMBING AND STEAM SUFFLIES.	STOCKS, BONDS AND GRAIN. DOWNING-HOPKINS CO., 201-4 Couch Bidg.
anly one or two young Eastern oysters have ever been found. It is probable		keting the crops and the industry was not considered seriously until the advent of the Willow River Company, with prom-	CHINESE AND JAPANESE GOODS.	H. T. HUDSON ARMS CO., 110 34. HARD WALL PLASTERS.	THE GAULD CO., 9-15 Front st. M. L. KLINE, 84-86 Front.	TIMBER LANDS. EMBODY & BRADLEY CO., 705 C. of Com. FREDERICK A, KRIBS, 325 Cham. of Com.
that the low temperature of the water has much to do with their failure to propagate. A series of observations	Settlers Signing Up Contracts With	ises not only of adequate irrigation but also of means of transportation to the	CHOLDS AND DIDES	HARNESS AND SADDLEBY.	PORE AND PROVISIONS. BINCLAIR PROVISION CO., 40 N. Front.	JAMES D. LACEY & CO., S2D C. of Cons.
through a number of years shows that the temperature of the bay water rarely		D. M. Brogan, the president of the com- pany, promises that a railroad up the	COAL AND WOOD. BANFIELD-VESEX FUEL CO., 80 86.	BREYMAN LEATHER CO., San and Ouls. JOHN CLARE SADDLERY CO., 104-100 Front. W. H. MIMONIES CO., 24 Union ava.	POSTAL CARDS. PORTLAND POST CARD CO., 124 805.	RETAIL
gress above 70 degrees while on the Hast- arn coast during the spawning season it	Private Capital Ready if Government Fails.	valley from Vals through the orchard tracts will be constructed at an early	COFFEE, TEA AND SPICES.	HAY AND MILL FEED.	POULTRY, BUTTER, EGGS, FRESH MEAT RUBY & CO., 286 Couch, Commission, Hides, Pelts, Wool.	AUTOMOBILES. FRED A. BENNEIT, 495 Alder. CROWE-GRAHAM Motor Co., Wash. & 1813.
Manges between 70 and 80 degrees, A number of Eastern cysters were placed in a covered sunken float so ar-	그는 그 가부는 가격하게	date and before the new settlers have produce to ship, and on the strength of these undertakings the tracts now opened		HIDES, FURS, WOOL KAHN BROS., 191 Front.	BOUTHBERN OREGON COM. CO., W. H. Mo- Corquodale, 85 Front.	COVEY MOTOR CAR CO., 16th and, Alder. BUILDERS' HARDWARE, TOOLS. AVENY & CO., 45 56.
ranged as to be submorged about a foot and towed farther up the river to a point	VALE, Or., Jan. 3(Special.)-Mal-	for sattlement are being purchased by experienced fruitgrowers, who will com-	CONCRETE MACHINERY. BRALL & CO., 321 Hawthorne.	HOP MEHCHANTS. HARRY L. HART, 229 Worcester bldg.	RAILS, CARS AND LOCOMOTIVES. RAILWAY EQUIPMENT CO., 72-74 1st st.	J. J. KADDERLY, 130 1st, CARD ENGRAVERS.
where the oysters would be less affected by sudden changes of the incoming tides, In this float were also placed some clean	heur County has reason to expect a prosperous new year. In every settled	The land is nist-class surfourded coun-	ALDON CANDY CO., 10th and Glissn.	A. J. RAY & SON, 334 Sherlock bldg. J. W. SEAVEY HOP CO., 110 Sherlock bldg.	EOAD & STREET-MAKING MACHINERY. BEALL & CO., 321 Hawissons. ROOFING MATERIAL	W. G. EMITH & CO., 3d floor, Wash, bldg.
shells and some earlien tiles. While it was possible by this means to maintain a higher temperature, still no young East-		try, the soil being largely of volcanic ash. It is situated on benches affording nat- ural drainage and protection from frost,	MODERN CONFECT RY CO., 13ta & Hopt. CONTRACTING ENGINEERS.	HYDRAULIC RAMS. COLUMBIA STEEL CO., 146 10th.	PARAFFINE FAINT CO., Commonwealth bid. BAWMILL MACHINERY. A. H. AVERILL MACH, CO., 320 Belmont.	ELECTRICAL APPLIANCE CO 490 Wash. EMPLOYMENT AGENCIES. SCANDINAVIAN AMERICAN AND PA-
ern systers were found. A good set of native spat, however, was obtained in this	show steady growth since the begin- ning of 1903. With an estimated ex-	and it is believed that the 200 families which will settle in the valley this Spring	CORDAGE, BINDER TWINE.	BUNSET CREAMENY CO., 281 Ist.	A. H. AVERILL MACH. CO., 520 Belmont. SAW MANUFACTURERS. SIMONDS MFG. CO., 55 hst st.	CIFIC STATES CONSOLIDATED, 2d and Bumside
Mastern seed and planted it in the bay,	tent of over 1,000,000 acres of rich, arable soil in the Malheur Valley, and with but a few thousand acres under	will add greatly to the wealth and pro- ductiveness of this territory.	CORNICES AND SEXLIGHTS.	ICE CREAM MANUFACTURERS. HAZELWOOD CREAM CO., 24 & Hort. SWETLAND & SON, 278 Morison.	SAWS, MACHINE ENIVES, ETC.	MARTIN & FORBES, 347 Washington.
The native cysters of this Northwest	irrigation, it goes without saying that upon the development of irrigation	HOAD MAINER LOOK COOD	J. C. BAYER, Front and Market. MOORE, MEAGHER & CO., 42 Int.	ICE, COAL AND COLD STORAGE. CRYSTAL ICE & STORAGE CO., 432 E. Sul.	E. C. ATKINS & CO., INC., 60 lst st. SCHOOL FURNITURE, SUPPLIES, N. W. SCHOOL FURNITURE CO., 244 34.	GROCERS AND MERCHANPIEL. (Mull Orders.) RICHET COMPANY. 112 Front.
lurida. Olympias or Shoalwaters or Ya-	projects depends the future of the county, and the people are showing not only that they recognize this, but also	NUAP MINES LUUY POOD	PACIFIC COAST BISCUIT CO.	INDEPENDENT COAL & ICE CO., 253 Stark, ICE AND REFRIGERATING MACHINERY.	SEEDS AND POULTRY SUPPLIES.	HARNESS AND SADDLERY. J. C. F. WESTENGARD, 283 Front,"
ferent flavor due to the environment. The relative sizes of the Easterns and	that they inlend to co-operate in order to secure the most comprehensive		DOORS, SASH, MILL WORK, KELLY, THORSEN & CO., 52-54 Union Ave, OREGON PLANING MILLS, 19th & Yaughn.	HARRIB ICE MACHINE Was, 174 E. Water. IRON, STEEL, WAGON MATERIAL ROBERTSON H. WARE & Stee, Co., 07 Front.	PORTLAND SEED CO., Front and Tambili, SHIRTS AND OVERALLS.	THE ESMOND HOTEL. Front and Morrison.
tration, (Figure D. In this state the na-	scheme of irrigation yet proposed, namely, that of the Government Mal- heur project. The agitation for the re-	COLORADO FIRM INTERESTED IN GOOSE LAKE VALLEY.	DEY GOODS, FLEISCHNER, MAYER & CO., Front & Ash. MEIER & FRANK COMPANY,	IRRIGATION PUMPS EQUIPMENTS, BYRON JACKSON IRON WES., 310 Oak	H. WOLF & SONS, 73-76 1st. SHOE STORE SUPPLIES.	MEAT MARKETS. 20STON PACKING CO., 1st & Burnelde, 54
although small bedy occur at Netarts and possibly might be found elsewhere. Great	vival of this project is increasing, and the obstacles which prevented the con-		DRUGGISTS. BLUMAUER-FRANK DRUG CO.	KODAK PHOTO SUPPLIES. FORTLAND PHOTO SUPPLY CO., 149 56.	HERTSCHE BROS. 229 Oak.	Ankeny. MONEY LOANED ON JEWELRY. PIONEER LOAN OFFICE, 13 N. 34.
showing the existence at some time of large beds but no live ovstors have been	summation of the scheme five years ago appear largely to have disappeared at this time. Petitions for the revival	Lake County Mining District Prom- ised Renewed Activity if Capi-	CLARKE, WOODWARD DRUG CO., MA & H. ELECTRIC AND GAS FIXTURES.	MEATS. FRANK L. SMITH CO., 226-228 Alder.	FOSTER & ELEISER, Everett and Sth. SODA WATER MANUFACTURERS.	TAILORS AND UNIFORMS, CHARLES COOPEY & SON, 509 Oak st.
found. The Yaquina beds are totally in- adequate and are rapidly thinning out. Measures ought to be taken to protect	of the project are being signed through- out the territory by the landowners and	talists Put in Machinery.	RABRETT'S, 408-412 Morrison.	UNTON MEAT CO., 4th and Gilman.	* PIONEER SODA WORKS, 416 Water.	cautioning him to say nothing about their doing so.
and to enlarge the existing native beds and, if possible, to develop new beds in	will go ahend with construction provid-	LAREVIEW, Or., Jan. 8(Special)-	NEW SCHEDILLE IS COSTLY	that an average of five persons daily left Lewiston each night for Portland, and	over the competing roads.	doing so.
favorable localities. The law provides for a close season on the native beds and possibly some method might be devised in	up. This project includes an irrigation	Situated about five miles to the east of New Pine Creek, a rising town on the		their names, which are also of record, show them to have been merchants for yastly the greater part, and that they	How great the trade that is being lost to Portland can be shown in a line. The	Million for Improvements. LA GRANDE, Or., Jan. 3(Special.)-
the coming season to increase the produc- tion of spat. It would seem feasible to	valleys, covering in all 220,000 acres of	Oregon-California state line in Goose Lake Valley, is the Hoag mining district, which	PORTLAND LIKELY TO LOSE	bought merchandise in Portland is proven by the increased freight carried	area than the Willamstie Valler.	Improvements of a public nature, in- cluding new residences, water works and
sovered shells and transfer the spat-	stare of runno.	gold mines occupy a considerable area, mostly in Modoc County, though many	OLEARWATER TRADE.	consequent upon the opening of the new service. In fact, it needs no statistics to prove	C, T. BARKER.	sidewalks in La Grande for 1905 came close to the \$1,000,000 mark. The coming year will see an expenditure of \$400,000
beds, in this way increasing the number	Private Capital Ready.	claims have been staked out in Lake	The second se	this paint for a visit to the marchants in	ANTE AND ALLING ATLUCK	for Instruction atoms

13

Son of spat. It would seem feasible to use the method of the sunken float on a large scale, and transfer the spatvered shells and tiles to the oyster ds, in this way increasing the number of individuals. In figure 2, tile 1 is from the oystar beds. It seems to have a few spat and many barnacles. The 2 is from the sunken float. It has a good set of spat and no barnacles. Figure 3 shows two tiles of the second season which were obtained from the sunken float and then placed on the cyster beds. The av-erage dimension the first season was 50 mah by 49 mah, while three of the se-bud season averaged .55 mah, by 30 mah, showing a considerable shall increase in

What catastrophe destroyed the oysters in Coos Hay no one knows. The Indians have a tradition that the great fire which once swept the Oregon Coast, caused the water to become excessively heated; but If the disappearance of the cysters is in any way to be connected with this event It is probably due to the sudden increase of ashes and mud which smothered the bysters. The oyster, unlike the claim, after the first few hours of its life be-comes permanently fixed. Also it has no tube, or siphon, popularly known as the neck, as the claim has, which it can protrude through the mud into the firsh water above; hence any sudden accumu-lation of mud or seliment drowns the oyster. A too-sudden influx of too large quantities of fresh water may also prove fatal and the disappearance of these cysters may be caused by some such entastrophe. An examination has been made of the shores of the bay and a locality apparently suitable for oyster It is probably due to the sudden increase locality apparently suitable for oyster beds selected. A series of observations is being made upon the salinity and temsons of the water at different sea-sons of the year and it is planned, if penditions are favorable, to plant a number of native oysters the coming season. It is hoped that funds will be available for this experiment. Should this prove a success it is hoped to repeat the ex-periment at other points along the Coast. The peculiar flavor of the native oyster has been thought by some to be due to

has been thought by some to be due to copper. The following analyses show that the Eastern cyster fattened on our Coast stains more copper than the native Individual:

Copper Analysia,

In a few instances typhold fever has been directly traced to the consumption of raw cysters. The fewer is due to a definite microbe thrown off from the human intesting. If this escapes into the severs it may be carried into the waters of the bay and taken up by the cyster. If such cysters be esten they may in-oculate the consumer with the fever. They do not originate the disease but are merely the carriers. If the amount of severs is large in properties to the of sewage is large in proportion to the total area of the waters containing the cyster beds, the chances of contamination are much greater; hence there is more danger from cysters fattened in bays or rivers having large offlas on their shores. In some oness unscrupulous oyster men find that oysters fatten more rapidly and in better shape when receiving considerable sewage and move them as near the openings of the sewers as they dare. This ought to be prevented by they dare. This ought to be prevented by law. In Oregon waters there is Hile to be feared on this account since the regions near its beds are sparsely sattled. In any case the danger is removed if the oysters be cooked.

for a close season on the native beds and possibly some method might be devised in the coming season to increase the produc-Name of spat. It would seem feasible to Name of spat. It would seem feasible to land, of which 200,000 are situated in Malheur County and the balance in the state of Idaho. Private Capital Ready. Valicy, is the Hoag mining district, which is now assuming much importance. The gold mines occupy a considerable area, mostly in Modoc County, though many claims have been staked out in Lake

County, on the Oregon side of the line. The existence of gold in this region was In the event of the movement for the revival of this project failing, there is abundant evidence that the work of irrigating the forthe but arid acres of the Malheur Valley will be taken up proved many years ago by a prospector named Hoag, from which it derives its name, though it is only a few years since it was explored in a practical way. Then Bert Wade, a man of that locality, and now holding a large interest in the mines. by private enterprises. The Willow River Land & Irrigation Company has nearly completed its reservoir system made a discovery that brought many gold-seekers to the place, and actual work was begun. The Big Four Milling & Minat the head of the Willow Creek Val-ley and about 200 families are to be settled under this project before March 1. Private enterprise also is preparing ing Company was incorporated, which ob tained control of four or five of the most valuable claims, owning the Big Bonanza, undertake the construction 415 24 to undertake the construction of a double reservoir and canal system on Bully Creek and assurances have been received here from capitalists in the East that other soutions of the valley will be irrigated by corporations work-Little Bonanza, the Golden Treasure and Gold Knight mines; while about 200,000 shares, at 10 cents each, were sold. will be irrigated by corporations work-ing on the co-operative plan with the ranchers, provided that the Government work has been going on in all these mines,

ranchers, provided that the Government fails to undertake the work. Under these conditions land is in active demand and is changing hands at considerably enhanced prices, par-ticularly in the Dead Ox flat and in the Owyhes section, where conditions are paculiarly suited to the cultivation of truit.

stalled.

northward.

of fruit. During the past year the value of buildings in the county seat, Vale, has increased by \$200,800 and substantial progress also has been made in On-tated for t The company is practically incapacitated for the proper development of the mines. An offer of \$110,000 was recently do and in the small towns of Westfall and Nyssa. received and accepted, but some difference received and accepted, but some difference regarding the disposal of the shares pre-vented the saie from being effected. A Colorado mining company is at present interested, and made an offer of \$75,000. The latter will probably succeed in pur-chasing the mines, and develop them, as a mining plant will immediately be in-stabled.

Publicity Campaign Planned.

This commercial clubs of Vale and Ontarlo are preparing an active ad-vertising campaign in order to secure for Malheur County a share of the ex-pected large immigration of homeseek-ers from the East and Middle West next Spring, and money is being freely subscribed by the merchants and pro-fessional men for this purpose. In the Malheur oil field there also are signs of increased activity. To the three standard drilling rigs now in operation, one at Ontarlo and two in

three standard drilling right now in operation, one at Ontario and two in Sand Hollow, are being added two more in the latter section, one by the Mammoth Company, of Union, and the other by the Baker-Malheur company. Although not yet in the field, six other commentes are arranging to install companies are arranging to install drills in the course of the next month or two. Those who have confidence in the existence of gas and oll in large

quantities in this region therefore are matisfied that their faith will be dem-onstrated correct during the coming yon: A Minnesota syndicate, headed by J. plans of those interested in the movement J. Toolo, has purchased 18,000 acres of materialize. Several Eastern parties who have had experience in the business are land in the county and intends running settlers' specials to Untario as soon as

morking on the project and the indica-tions are that local people will purchase enough stock in the factory to insure its erection. It is planned to establish the factory in Edenbower, near the otty. Spring opens. MALHEUR TO GROW FRUIT

Large Tract of Land Will Be Planted to Orchards.

-H. D. Chapman, who has been appoint-ed to take charge of the Chehalis County exhibit at the Seattle Fair, is preparing VALE, Or., Jan. 3.-(Special)-Four thousand acres of first-class agricultural land are to be settled prior to the openmake one of the finest exhibits in the

tion system of the Willow River Land & Webfoot On Blacking keeps feet dry. Irrigation Company, which has just com- Makes shoes last. All dealers.

Raffroad now being constructed

Brick Factory for Roseburg.

ROSEBURG, Or., Jan. 3.-(Special.)-pressed brick factory will be among coseburg's new industries if the present

County Exhibit Prepared.

ABERDEEN, Wash., Jan. 3 .- (Special.)

Recent Railrond Changes Place People From That District Out of Touch With Metropolis.

PORTLAND, Or., Jan. L-(To the Editor.)-I am writing this letter, not necessarily for publication nor to point out a neglect of duty, but simply to

Portland, and my interests lie very largely in the growth and expansion of that portion of Portland's trade field in the watershed of the Snake and Clearwater rivers. Last Spring, with the opening of the Riparia-Lewiston cut-off to Lewis-ton, the jobbing houses of Portland thought they saw the beginning of the time that Portland's trade interests would again possess themselves of a trade once theirs, but which because of a better trade route had been divarted to Spokana. The Portland morchants were promised at that time by that great transcontineatal railroad which operated the Lewiston cut-off that an adequate passenger and mail service would be maintained to Lewiston, for the Portland merchants knew full well that adequate passenger and mail service is a nucessity before a great trade can be estab-

I think that any railroad traffic man, will grant the following to be self-evident truths. I know that these are taken to be maxims by the Railway Commission-ers of the Dominion of Canada and are held to be such in the Pennsylvania Rail-This will insure a period of quick mining activity in this district, and a great boom for New Pine Creek, the popula-tion of which will undoubtedly increase many-fold in the forthcoming Spring and road system:

Binniper. It is a pretty little town, beau-tirully situated on the east side of Goose Lake, in a valley, rich, and suitable for the production of grain, fruit and vege-tables of all kinds. It is reached by stage from the south, by way of Alturas, which is the present terminus of the N. Country morchants visit the largest so-

cessible markets. Country buyers buy where they visit, prices and deliveries being reasonably equal WORTH PREPARING FOR KIDNEYS OR BLADDER

Apply, then, these truths to the posttion of Spokane and Portland in the Lewiston field. From the opening of the Riparia-Lewiston cut-off until last Sun-day, it was possible to leave Lewiston in the evening and be in Portland early for business the next morning. The Lewiston merchant might then spend his day in the market, and be at home again for business the next following morn-ing, being absent from his office but one membra day. Under the next schedule working day. Under the new schedule, the Lewiston merchant loses three business days to spend part only of the day-light hours of one day in Portland. The result is, that the Lewiston merchant result is, that the Lawiston incontain will not take his social or ousloss trip to Portland but inevitably to Spokane. The railroad officers in justifying the withdrawal of the 12-hour service-(and

Will not take his social or outdoess trip to Portland but inevitably to Spokane. The railroad officers in justifying the withdrawal of the Echour service-(and by the way it mus not be fanciad that the service was a straight Portland-Lewiston service; it was merely a stin train from Riparia to Lewiston connect-ing with the Portland-Spokane train, which still runs and which does not nouse connect, and that is the whole complainto -say that the service has never paid during the four or five months it was maintained. Nothing could be more es-sentially untruthful. It is true that the actual traffic in passengers may not have paid, but their own records will show

to make one of the linest exhibits in the which set how which the service has nover paid in cold storage in sufficient quantities to keep a fresh supply at the Fair.

this point, for a visit to the merchants in Lewiston, as I had occasion to visit them this week, is proof conclusive. It is safe to say that for every ticket sold a Lewis-

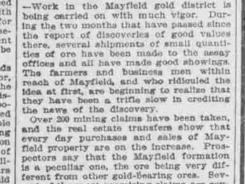
to say that for every licket sout a Levis jon merchant, many times its value would be paid by that merchant in freight rates in the year following. Yet you will rightly argue that the railroad must be familiar with the con-dition, and if so, why are they adopting a policy infinical to their own interests? That I fail to understand, but the Lewis

out a neglect of duty, but simply to indicate a detail of your task of upbuild-ing this city's prosperity which you might else have overlooked. I am a Portland business man or should that sound too egotistical, I will say that I try to be a business man in Portland, and my interests lie very largethe other periods to the road with the old line from Spokane in return for territory or valuable considerations else-where. They believe that an agreement exists whereby Lewiston traffic is to be diverted to Spokane.

There are certainly substantial grounds on which to base such a conclusion, for, numediately upon the withdrawal of the In inputation of the writing of the service from Portland to Lewis-ton, the service from Lewiston to Spo-lane was radically bettered, but bettered in such a way as to make it impossible to save any considerable time by making the journey from Portland to Lewiston the Spokers. Accels it is a matter of via Spokane. Again, it is a matter of court record that these same great rall-roads entered into an agreement 12 years ago which provided that neither should build further in the Clearwater district for ten years. This agreement lapsed three years ago, when they jointly built

three years ago, when they jointly built the Riparia out-off. The fact that such an agreement ever existed is presumptive evidence favoring the opinion held by the Lewiston people at this time. Such are the conditions, and there is but any work by which the merchants of

but one way by which the merchants of Portland can remedy it. That is by following the weight of their anger to be felt by that road which because of its ancient Portland heritage owes most to and rock from the bottom of his well.



RUSHED WITH VIGOR.

Raise Land Prices.

eral of the most promising claims are sev-eral miles from the first discoveries. The formation of the whole country is the

formation of the whole country is the same, so that it may be expected that within a few years a large scope of coun-try will have been subjected to filing. Moasy Rock and Silver Creek have shown good indications, and claims are being taken there. John Mack, on Silver Creek, has raised the price of his farm from \$4000 to \$0,000. Last week two pros-nectors took away with them some dirt



-The investments I offer are backed by the soundest security in the world and return a good rate of interest

T. S. McGrath Lumber Exchange PORTLAND, OR.

HARTMAN & THOMPSON

BANKERS CHAMBER OF COMMERCE

pay4% interest on time deposits and possess many desirable conveniences for handling this important line of business.

Unlimited Personal Liability

More people succumb each year to some form of kidney trouble than any other cause. The slightest form of kid-

and any one can mix tham by shaking well in a bottle. The doss for adults is a teasponful after each meal and again at bedtime. There is no more effective remedy ney derangement often develops into Bright's kidney disease, diabetes or dropsy. When either of these diseases is suspected the sufferer should at once seek the best medical attention possible. Consult only a good, first-class physician. known to relieve all forms of rheuma-