O. A. C. INSECTARY AIMS AT LIVES OF WORST FARM FOES

Experiments Under Way With Slugs, Worms, Bettles and Maggots, to Learn Their Weakest Spots.

(Special to The Journal.)

Oregon Agricultural college, Corvallis, Ore., July 8.—The smallest but by no means the least important of the new buildings at the Oregon Agricultural college is the insectary, in which problems in the control and extermination of insect pests will be studied. The new "bug house", as the students call it, is located in an orchard near the college campus, and, though simple in construction, has ample accommodations for a large number of experiments, which are already under way. The work is under the direction of Prof. H. F. Wilson of the entomology department.

Study of the Cherry Slug.

One experiment is being conducted with the cherry slug, cherry twigs with leaves being kept in bottles of water to keep them fresh, and on the leaves the slugs deposited. The object is to study the life history of the pest—to know just when, where and how the eggs are deposited, and the slugs developed—so that the proper time and mode of treatment may be determined upon. When the leaves spoil, the slugs are transformed to new ones.

Several small apple trees are utilized in another experiment. There is an insect which feeds upon roots. The entomologists want to know whether this pest feeds only on the apple tree roots, or on the roots of weeds and grass about the tree, or on both. Some of the trees used in the experiment are therefore kept entirely free of any other growth about the roots. The development of the insect pest in the two cases will be compared, and treatment devised accordingly.

Insect that Attacks Raisins.

It was found that some insect was working in raisins offered for sale in the open market. A handful of the fruit affected is in a glas jar under inspection, with a view to hatching out a crop of the bugs and determining their character and history, so that raisins may be so treated in packing that they will be free of the invader.

Species of wood boring beetles, some of them of a kind which ruin many thousands of feet of valuable ashwood, and others which destroy fir and pine, are under close surveillance. In glass receptacles close by are sections of beeswax in which the beeswax moth is at work, the different stages of the pupa, larva, and adult moth all being studied. This is an important investigation, as beekeeping is an industry which is growing rapidly in the state, especially in the orchard regions.

Fighting Worms with Parasites.

Some eggs of the canker worm were found upon which were some tiny parasites. These are being studied, and it is thought that the introduction of such parasites where the canker worm is injuring fruit may prove to be efficatious. One carefully guarded specimen is the cocoon of a moth, the larva of which works on fir, and is particularly destructive in Oregon.

For the benefit of those fond of raising fine roses, experiments are being conducted in the raising of insects which lay eggs on the rose leaves and produce galls which sap the life of the plant. Thrips, the little yellow insects which feed upon pea pods, are being studied, and near by is being conducted an experiment with an aphis which eats blackcap raspberries, and another with currant maggots hatched from eggs laid by the currant fruit fly. The rose slug, the tent caterpillar, the maggot which destroys horseradish, all are being kept under a close inspection, and careful records, which will be filed permanently with proper index for reference, are made of each.

Whale Oil Soap May Help.

A request was sent in by a farmer for an experiment to treat whale oil soap as to its comparative merits for killing aphis on hops. It is being tried also on cherry leaves. One brooding cage contains measuring worms, another garden slugs on strawberries, and still another the tussock moth. The rose flea beetle, the rose slug, the strawberry root weevil, and the clover leaf weevil are being inspected for life history records, and the western diabrotica, which feeds on roots, is being tried on both strawberries and gourds.

Tests of insecticides and different sprays are being made on apple trees close to the insectary, and the results will be recorded. The spraying tanks are shown in the accompanying photographs.

FAST SHASTA LIMITED DERAILED, THREE CARS GOING OFF; NONE HURT

(Continued From Page One.)

The track will not be cleared until midnight. All trains will be delayed from 16 to 20 hours.

Grants Pass, Or., July 8.—E. R. Lyman of 310 Worcester building, Portland, chemist with the United States food and drug inspection bureau, was at the scene when the Shasta met this morning's accident, and made the following statement:

"The Shasta Limited left the track seven miles south of Grants Pass at 5 a. m. The baggage, mail, and diner turned over. No one was injured. Both engines and all the sleepers kept the track. For 300 feet the track was made kindling wood.

"Examination of the roadbed on both sides of the wreck shows criminal carelessness. The track is on a 10 foot fill and is ballasted with decomposed granite, very loose and neglected. The ties are rotten and split. There are many loose spikes. I personally picked out with my fingers a dozen within a quarter of a mile of the break. The train crew of the last train over reported at Grants Pass the alarming condition of the track, which almost derailed the northbound limited.

"I strongly urge a rigid investigation by the railway commission."

FORMAL OPENING OF CONVENTION TO BE HELD TONIGHT

(Continued From Page One.)

pensations, for charters from the grand lodge. It is believed that all the applications will be favorably passed on.

Grand Lodge Delegates Register.

Among the lodges operating under dispensations who seek membership in the order is McMinnville, Or. The others are: Richmond, Cal.; Pauls Valley, Okla.; Freeport, N. Y.; Coeur d'Alene, Idaho; Lexington, N. C.; Mandan, N. D.; Sweetwater, Texas; Whittier, Cal.; Hanford, Cal.; Purcell, Okla.; Pana, Ill.; Brinkley, Ark.; McKees Rock, Pa.; Farmingham, Mass.; Donora, Pa., Grinnell, Iowa; Dalton, Ga.; Rome, N. Y.; Ansonia, Conn.; Newton, Iowa; Pekin, Ill.; Cambridge, Md.; Whiting, Ind.; Middleborough, Mass.; Ada, Okla.; Wakefield, Mass.; Moultrie, Ga.; Ironwood, Mich.; Trenton, Tenn.; Franklin, N. H.; Agana, M. I.; Modesto, Cal.; Lehighteon, Pa.; Monterey, Cal.; Douglas, Ga., and Old Town, Maine.

Up to noon today the committee on credentials had registered 800 grand lodge delegates and members of the grand lodge. Chairman A. C. Crowder said that the committee would be ready to make a provisional report probably tonight and a full report tomorrow.

The committee on the preservation of elk, of which Rush Holland, past grand exalted ruler is chairman, and United States Senator George Chamberlain, of Oregon, is a member, had its report ready. The report tells of the work accomplished looking toward the preservation of the roaming herd of elks in Wyoming and other western states, through the passage of laws prohibiting their slaughter.

Charles Wolfe, formerly mayor of Wilkesbarre, Pa., and chairman of the Elks' tuberculosis sanitarium committee, arrived this forenoon after a 48 hour delay, due to washouts. He said the committee had some important recommendations to make, but that nothing would be divulged until the committee made its report.

The reports of Grand Exalted Ruler Sullivan, Grand Secretary Robinson, Grand Treasurer Leach and the new Elks' national home committee have been printed and distributed already among the Elks.

GOVERNOR TENER IS STILL BASEBALL FAN DESPITE HIS POSITION

(Continued From Page One.)

noon today from San Francisco, where he has been with members of the Pennsylvania commission detailed to choose a Pennsylvania site at the 1915 Panama exposition.

"We've had a very fine trip," he said, "have been well treated and we're in good health. I will be in Portland for two or three days, and though I haven't been here long, I can feel by the prevailing spirit that this is going to be a great convention for the Elks."

Governor Tener is, probably, one of the biggest men, physically, politically and in point of popularity, in attendance at the convention. He is a past

Governor John K. Tener.

grand exalted ruler of the Elks, and upon his arrival here this morning he at once looked up his old friend, Grand Secretary Robinson, and at the grand lodge headquarters at the Multnomah, he held an impromptu reception, which kept his good right arm "pumping" continually.

Governor Tener's rise in the world has been somewhat remarkable. He is 49 years old, and was born in County Tyrone, Ireland. He came to the United States with his parents when he was nine years old, and on the corner lots of the city of Pittsburg, Pa., he picked up his first knowledge of the great American game. After being educated in the grammar and high schools of Pittsburg, Governor Tener went to work as a clerk. He held his position from 1881 to 1885, playing a little baseball in his spare time, and gradually growing faster In 1886 he first played professional baseball. From 1888 to 1890 he was a star twirler in the national league and his baseball fame grew rapidly.

In 1891 Governor Tener went to Charleroi, Pa., where he went into the banking business. From 1909 to 1911, he was a member of the sixty-first national congress from the twenty-fourth Pennsylvania district, and at the conclusion of his term he was elected governor of the state to serve until 1915.

PORTLAND ELKS AND GRAND EXALTED RULER WHO WILL TAKE PART IN OPENING SESSIONS TONIGHT AT ARMORY

Members of the Portland lodge, B. P. O. E., who will greet visiting Elks to Portland tonight, and Grand Exalted Ruler John P. Sullivan, who will respond to the address of welcome. From left to right—K. K. Kubli, chairman of the executive committee, who will address the grand lodge tonight as the representative of Mayor Rushlight, and who will turn over the key to the city to the visiting Elks; John P. Sullivan of New Orleans, La., grand exalted ruler of the Elks, who will respond to the address of welcome; Gus C. Moser, chairman of the entertainment committee; D. Solis Cohen, chairman of the publicity and correspondence committee; Ralph Moody, chairman of the grand lodge committee.

Some Things Some Delegates Say and Do

Each Delegate Makes Himself Booster

"Elks; huh! I was at Portland some few years ago and I saw more elks then than the town can show right now. That was in '54, and I rode a mule across the plains," said W. T. Baker, of Springfield, Ill. Mr. Baker is 85 years old and claims to be the oldest delegate from Illinois. The elk he saw in 1854 were wild ones. "But they weren't a great deal wilder than some of the ones now here," he said. "The smell of the powder starts 'em going," he said. "All the difference is in the powder—face and gun."

"Yep, it's a little cold in Montana," said a Helena delegate, "in the winter—" And a curbstone humorist butted in with: "But they have Great Falls!" And just then—which is the honest-to-goodness truth — the Great Falls fife and drum corps started playing, "There'll be a Hot Time in the Old Town Tonight."

The Idaho delegates brought "Maud" along. Maud is a mule. They offer $300 for anyone who'll ride her. "It'd take too long for me to ride her to a finish," said a cowpuncher from Colorado. "I'm making money faster than that at home selling scenery."

Moscow, Idaho, is the mother lodge of the state of Idaho; Coeur d'Alene is the baby. The mother brought the baby. Some of the delegates from Moscow say the members of the Couer d'Alene lodge are still on the "bottle."

Charles J. Marshall, district attorney of Fergus county, Mont., who hails from Lewiston, is the official soap vendor. At Kalispel they bought 20 cents' worth of soap, the delegates did. This they cut up into tiny bits and sold each bit for two bits. Their profit on the 20 cent purchase so far amounts to $9.60. Marshall is contemplating going into the mercantile business. He says he never knew there was so much profit in the peddling business. The money goes into the "Beer Fund," whatever that is.

The station agent at Medford is a physical and mental wreck. He says Clarence Reames did it. Clarence Reames, it may be said, is the exalted ruler of the Medford lodge. According to some of the delegates, Clarence wanted so many things that he had the entire Espee system worn to a frazzle. Here are just a few things he asked for: He wanted the special train that conveyed the delegates to Portland painted in the Elks' colors; he wanted to run the train to points on branch lines to show off; he wanted to take a fruit exhibit building and place it on flat cars and take it with 'em; he wanted a dozen electric irons and six colored men in the baggage car to press the clothes of the delegates; he wanted the electric headlight to throw purple and white lights all the way to Portland; he wanted the train crew to be all Elks; he wanted two sections taken out of a sleeper so that a piano could be installed; he wanted a telephone from his section of the car to run to the engine cab so he could tell the engineer when he was going fast enough; he wanted the car windows stained purple and white; he wanted the engine painted purple; he wanted the Medford depot painted in Elks' colors.

The delegates say he wanted a lot more things but he didn't begin to ask for them in time. But the members arrived all on time and as soon as they get settled down figure on sort of decorating things up a little.

Dan Butler, acting mayor of Omaha; John Donohue, one of the oldest chiefs of police, in point of service in the United States; Al Power, who has been operating the stockyards at Omaha ever since they started branding steers, and Ike Humphrey, some cattleman, are doing nothing to makes themselves famous. "We're the uniquest crowd that ever broke out of a penitentiary," said Butler this morning. "We didn't come out here to try for a prize or show ourselves off or anything like that; we came here for the fun there is in it, and, believe me, we're going to get it all."

The Montana delegation will pull off a vaudevilie stunt each day wherever they can get a crowd. Here is one of their jokes: "Have you any Elks' lodge in Montana?" This from a Kalispel man. "Well—some, but you'd oughta see our Deer Lodge." This from a Deer Lodge man. Besides, there is Red Lodge. And there are some Elks from there, too.

Trading badges is a great pastime among the delegates. They meet anywhere, any time, any place. "What you got to trade?" they inquire. O, they're great traders. Everybody—that is, every Elk, almost—is covered with badges from every clime. But the man who is making a hit is the fellow with the badge, upon which is the query: "Where in hell are you from?" And below: "I'm from Schenectady." A man saw a Schenectady Elk wearing one of the latter buttons. "I don't want to get personal, or ask superfluous questions, or even cast disparaging remarks, but where in hell is Schenectady?"

Archibald Boyd Jr., son of the actor, who is well known in Portland, is on the job from Granite City, Ill. "I know it's a hard name to call a town," he said, referring to Granite City in a boosting sort of a way, "but," he said, brightening, "we sure do put out a classy lot of tombstones. Don't think from that that she is a dead letter, though!" he said.

Bob Dow is deputy sheriff of Jackson. Coming up on the train somebody swiped his check book and his return ticket. "Oh, wel," he told the fellows, "it's a first class ticket, and the guy that stole it can't use it, anyway. No first class man would do a trick like that." You have to hand it to Bob for his reasoning powers. Down in Jackson county they cal' him Sure-lock Homes.

Archie Ash of Medford went into mourning at Eugene. Archie Ash lost his wife. "I didn't like the way that conductor acted, anyway," he confided, tearfully, to some of the brethren. The idea is that when the Medford special left Eugene, Mrs. Ash was missing; she was not on the train. Another train had come along while the train was waiting there and Mrs. Ash just naturally climbed on. But it's all right, it's all right. The pair was happily reunited and so far they have lived happy ever afterward.

If anybody in Portland has not yet been bitten by the Santa Monica bug, said anybody had better keep away from the hotels. For the bug is rampant. Bob Miller, publisher of the Outlook, is on the job with his badges and his conversation. If one didn't know better one would feel sure, after hearing Miller's talk, that Santa Monica is the Garden of Eden, Rome in her palmy days, Fairyland, Coney Island, Atlantic City, a candy store, an ice cream parlor, and paradise, all blended into one harmonious whole.

C. W. Holbrook, mayor of Venice, Cal., has designed a badge which he is giving to anyone who'll wear it. A girl almost in a bathing costume is the principal figure in evidence. He says they all grow that way down there. Venice, he says, is the top step at the entrance to the pearly gates. When you get to that step, he says, there is no use going further. You won't want to, anyway.

ORENCO, OR., TAXPAYERS LOTH TO INCORPORATE

(Special to The Journal.)

Orenco, Or., July 8.—The incorportation of the own looks very doubtful at present. After a couple months of effort to secure the required number of signatures, only 34 of the property owners have signed. It requires 60 signers to make incorporation a possibility.

French engineers are planning to harness the River Rhone at point 280 miles from Paris to supply that city with electric light and power.

ZION CITY LEADER PREDICTS DISASTER

Voliva Says Chicago Will Be Destroyed for Wickedness of Its Citizens.

(United Press Leased Wire.)

Chicago, Ill., July 8.—Comparison of Sodom and Gomorrah with Chicago today looks bad for Chicago, according to Wilbur Glenn Voliva, Zion City leader. Addressing members of his flock in this city, he said:

"Even as Sodom and Gomorrah were destroyed, so judgment is going to fall upon the cities of this land and upon Chicago first. There is only one city that will not be destroyed. That is Zion City. I command all of you to leave this city of wickedness and come to Zion."

Voliva announced today that he would order closed all branch churches of his faith and that all of his followers over the country would be called to Zion City. There are churches of Voliva's faith in Cleveland, San Francisco, Melbourne, Yokohama and London. The branch church at Hong Kong was closed recently and the elder and many of his flock moved to Zion City. Voliva has not fixed the date for the general catastrophe.

"ELKS' CARNIVAL AND PORTLAND'S MORALS"

"The Elks' Carnival and Portland's Morals," was Rev. Delmer H. Trimble's current interest these at Centenary Methodist church last night. He said in part: "Portland is welcoming to her midst the thousands of the Elks host this week. Times of festivity are occasions of increased temptation to immoral extravagances and excesses. The citizenship of Portland and the order of Elks will be on test this week. It has been said in some quarters that the word has gone round that our usual rigidity as to law observance should be relaxed for these few days, that cafes should be open all night instead of closing at 1 a. m., and that saloons should not be subjected to the usual surveillance, and that in general the 'lid should come off.' Personally, I am not inclined to credit this. Both the B. P. O. E. and this fair city, have too much of a reputation to sustain to consider such a possibility for a moment. I understand that the local lodge has the matter of law and order under consideration and that a large force of uniformed Elks will wear the star and assist the police in maintaining the integrity of our laws and ordinances. This provision and the fact that the mayor of this city is a member of the antlered herd, and consequently in a position to exercise a more than ordinary control over the situation, will, I predict, save Portland from the extremes and excesses morally, or rather immorally, which have been reported from other cities on similar occasions.

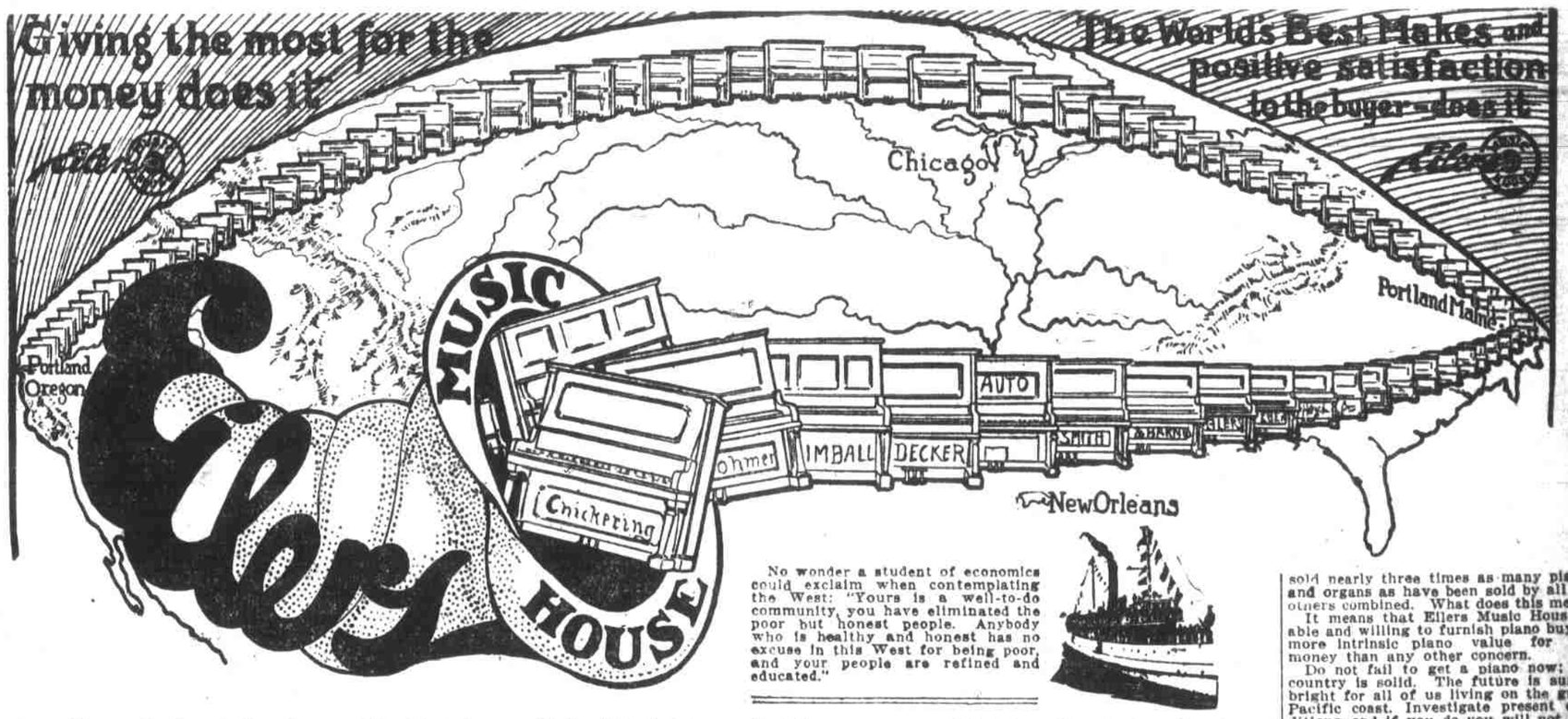
"But—we shall see what we shall see."

An Ohio inventor's wrench for pipe as well as for nuts of all shapes, which he claims will replace the monkey wrench, has a milled wheel in place of the lower jaw, adjusted on the shank of the wrench with a spring clip.

Another Achievement Of the Wonderful West—

Where Else on Earth Could Such a Wonderful Record Have Been Attained?

Study this sketch. It means more than mere commercial achievement. It preaches most eloquently of the great West's prosperity—the ableness and the purpose of Westerners to surround their lives with everything making for refinement and culture. Thousands of beautiful pianos all sold by one Portland establishment, placed 300 feet apart, would reach from the Gulf of Mexico up the Atlantic Coast to Portland, Maine, then back again to our own beloved Portland, Oregon.



No wonder a student of economics could exclaim when contemplating the West: "Yours is a well-to-do community, you have eliminated the poor but honest people. Anybody who is healthy and honest has no excuse in this West for being poor, and your people are refined and educated."

If in taking a ride through the city a piano were found upon every block it would be noteworthy. If each one of such pianos were found to have been furnished by Eilers Music House it would be quite remarkable. But if, after riding hour after hour and day after day, good pianos were found at every 300 feet of the way and all supplied by Eilers Music House, it would surely prove a matter of astonishment.

Thus this statement will probably be received with astonishment by many and with doubt by some, but it is true: Eilers Music House, of Portland, Oregon, has now sold more than enough pianos, Autopianos, Baby Grands and organs, to say nothing of talking machines, which, if placed 300 feet apart, would reach from the gulf of Mexico through the sunny south and up the Atlantic coast to Portland, Maine, and from there back again to Portland, Oregon, as is indicated in this sketch.

At the commencement of the second half of this, our fortieth year in business, Eilers Music House publishes this statement and this sketch with a deep sense of appreciation. It speaks for itself.

These thousands of pianos, mile upon mile, have been sold upon a definite money back guarantee basis. They must thus be giving perfect satisfaction and therefore this record becomes still more noteworthy.

Eilers Music House sells everything that is dependable and best in musical instruments. Eilers Music House sells everything at lowest cost because it has the organization, the resources, and the experience. Buying all instruments in larger quantities than does any other institution, Eilers Music House sells such instruments at lower prices.

The policy of largest possible sales at the smallest possible profit on each sale has brought the Eilers organization from the one small store of comparatively but a few years ago to the forty thriving establishments of today, which are the foremost in each western city wherever located.

And doesn't this speak in terms most eloquent and convincing of the happy conditions, of the truly general prosperity, of the great purchasing power and the continued development of life's better side on the part of those fortunate enough to live in this great west.

The growth of our business is limited only by the number of people who investigate the advantages we have to offer. To examine our facilities carefully means to became an Eilers Music House customer. No transaction is right or considered as concluded by Eilers Music House that does not mean satisfaction to the buyer. Our patrons are our references—it would take hundreds of pages in The Journal to merely name them all, but Eilers Music House confidently refers anyone who may want to investigate as to a musical instrument to any customer who has ever dealt with us.

Buying anything of the Eilers houses anywhere in the west means securing highest quality at prices that are not high. It means insurance against disappointment and for this reason more than half the pianos and player pianos sold on the Pacific coast since 1905 have been sold by the house of Eilers, the Chickering and Autopiano and Kimball distributors. Headquarters, the Eilers bldg., Alder street at Seventh. Wholesale dept., on Pettygrove street, 15th and 16th.

What Does It Mean?

More pianos have been sold by Eilers Music House during the past three years than have ever before been sold here during any ten years. Many of these instruments were the very costliest and highest priced American makes. What does it mean?

It means that the northwest is prosperous. It means that the people of the great northwest possess the necessary knowledge and culture to appreciate fine pianos, and that they have the wherewithal to secure the best.

There are twenty-seven piano dealers and stores in the state. The records of transportation companies show that Eilers Music House has handled and sold nearly three times as many pianos and organs as have been sold by all the others combined. What does this mean?

It means that Eilers Music House is able and willing to furnish piano buyers more intrinsic piano value for the money than any other concern.

Do not fail to get a piano now; the country is solid. The future is surely bright for all of us living on the great Pacific coast. Investigate present conditions, and if you do you will not fail to get a good piano, or a player piano now at Eilers Music House, the house of highest quality, the nation's largest. Eilers bldg., Alder street at Seventh.