

LOCAL SHOTS BEAT PORTLAND

PORTLAND FALLS BEFORE LOCAL BLUE ROCK ARTISTS.

Press Lewis Makes Perfect Score Against Adverse Conditions.

La Grande's honors in blue rock contests were boosted yesterday when shooting in a biting cold, and for the first time of the season, five La Grande men bested the crack shots of Portland by one bird. The state shoot league was opened yesterday all over the state and La Grande was pitted against Portland, deemed by all experts to be the strongest team in the state because of the great numbers of good shots belonging to the Portland club. La Grande won over the metropolis by one point but like baseball, is as good as a mile.

Portland was shooting under conditions in La Grande and with the exceptionally encouraging start, the local conditions vastly better than at club has taken new heart and is admitted to be in the running for the state honors. Among the other excellent teams that she must beat are those of Eugene and Wallowa.

The official shoot records for the day, barring practice shots, are:

Shot at	Killed
Cunningham	25
Forrester	25
Crowe	25
Jolly	25
Goodhue	25
Rayburn	25
Mackey	25
Price	25
Hughes	25
Lewis	25
A. Andrews	22
Gibson	25
J. Andrews	10

The High Five.

The men whose scores yesterday represented La Grande and the scores they made are:

Shot at	Killed
Lewis	25
Hughes	25
Crowe	25
Rayburn	25
Jolly	25

Total 125 114
An auspicious opening was given to the state blue rock league here yesterday.

Three squads of five each went through the practice period and a big majority of these stayed through the official shoot. On the day of the shoot, contestants are allowed 25 practice shots and must then shoot off the official test of skill of 25 shots. It was the first day of shooting for a big majority of the blue rock killers, and some of those who were out for the first time made exceptional showings. S. D. Crowe was one of the black horses of the meet, pulling up with 22 killed out of a possible 25. He bested both Mackey and Jolly who usually shoot around the 23 and 24 bird mark. Rayburn, another 24 and 25 bird man usually, fell to 22.

Press Lewis and Bert Hughes were the particular stars of the meet. Lewis caught his pace in the practice shoot and after killing 13 straight proceeded on his official test where he made a perfect score, or a total of 38 birds without a miss. He killed 47 out of 50 birds. Only the 25 counted in the score of course, but his long "without a miss" record is in shape to be carried on at the next shoot. Hughes was shooting with fine eyes, losing only one in the 25 bird string.

PLAYERS SIGN CONTRACTS

Peterson and Vahrenhorst Have Both Signed Contracts Now.

Jess Tyson of Tekoa, Wn., is in the city to try out for the pitching staff when the training season opens April first in this camp. He comes with a good recommendation and has full confidence of being able to make good.

"Gunner" Peterson's signed contract, tying him to the catching staff for La Grande this season, has arrived and is now in President Foley's safe. Another contract that has been signed and tucked away and which local fans believe to be a good stroke of business, is that of Vahrenhorst's, who arrived a day or two ago from St. Louis. "Van" is an old timer here and is well known as an infielder.

STRANGE PEAKS OF CYCLONE

(Continued from Page 1)

four hours in the roofless house in a drenching rain, attended only by her husband. A friend then took the woman to the home of friends in a wagon. Her condition is critical.

Rest rooms and telephone booths were converted into temporary morgues this morning and gradually the bodies are being gathered together for final inspection and claims. Injured, in one instance were kept in the same room with dead bodies, the excitement prevailing being responsible for the promiscuous dumping of dead and dying into the same piles. This was in the Central exchange of the telephone system. F. E. Russell, on the main floor of the building, was found face down and his body frightfully crushed. He had been buried under a brick wall.

Priest Prays for Dying.

Rev. Judge, pastor of the Sacred Heart Catholic church, remained at the telephone exchange comforting the suffering and offering prayers for the dying. The Sacred Heart convent, located on the high ground west of the city, was demolished but none of the students were injured.

C. E. Planteen and wife found shelter in the basement after the storm had destroyed the upper part of the house. The home of Walter Peterson was demolished and Peterson and seven children are missing.

PALMER JUNCTION PER-SONALS.

Palmer Junction Ore., March 24.—(Special)—Mrs. J. B. Higgins of Elgin is visiting with Mr. and Mrs. C. F. McPherson and with her husband, J. B. Higgins.

Mrs. Pete Troseth left Wednesday evening for a few days' visit with her daughter, Caroline, who is at Hot Lake.

Benjamin Willis, who has been very ill with neuralgia for several weeks, has returned to work.

Mr. and Mrs. Reavis went to Elgin Monday night for a few days' stay.

Chamberlain's Tablets for Constipation.

For constipation, Chamberlain's Tablets are excellent. Easy to take, mild and gentle in effect. Give them a trial. For sale by all dealers. Many suffer for years with such an ailment when a permanent cure is within their reach and may be had for a trifle. "About one year ago," says P. H. Beck, of Wakelee, Mich., "I bought a package of Chamberlain's Tablets, and since using them I have felt perfectly well. I had previously used any number of different medicines, but none of them were of any lasting benefit." Sold by all dealers.

Macadam and Concrete

(Continued from Page 4)

York, in a popular election last November, voted another \$50,000.00 for roads, and the measure carried in every county.

The mileage of improved roads in Oregon at present is relatively insignificant and almost wholly disconnected; so of course the traffic is small, since no large traffic is possible, and the present cost of maintenance is low. But with the expected development of the state, it is safe to say that the cost of maintenance of macadam roads within the next five or ten years will have reached the cost already passed in so many places, and the figures given by the office of public roads in the quotation above may be regarded as a conservative estimate of the cost which we must shortly expect, namely, 5.11 cents per square yard per annum.

Cost of Concrete Roads.

It is the present purpose to compare the cost of concrete roads with the cost of macadam roads subject to the traffic conditions just considered. In making such a comparison the first question that arises is this: What thickness of concrete may be fairly compared with the standard thickness of 6 inches for macadam? Plainly, it is not fair to compare 6 inches of concrete with 6 inches of macadam, because concrete is far stronger than macadam, and any comparison that pretends to be fair and rational must take this fact into account. No sane person would think of comparing the cost of a steel bridge, for instance, with the cost of a wooden bridge on the supposition that the volume of steel should equal the volume of wood; on the contrary, the relative volumes would be made to correspond with the relative strengths of the two materials and the same consideration should govern the comparison of concrete and macadam. While it is not possible to state with precision just what thickness of concrete is equivalent to 6 inches of macadam, it is possible to state that 4 inches of good concrete will have greater supporting power than 6 inches of good macadam on the same subgrade, and conversely in any location where 4 inches of concrete would not be sufficient, neither would 6 inches of macadam be sufficient. Where a weak subgrade requires 6 inches of concrete, at least 9 or 10 inches of macadam would be required to give anything like the same supporting power; and where on a good subgrade 6 inches of concrete is required on account of very heavy individual loads, macadam should not be considered. A thickness of four inches is the minimum permissible for a concrete base, and if we compare this thickness with 6 inches of macadam, the comparison will be more than fair to macadam; but to compare the cost of concrete and macadam inch for inch, as has sometimes been done, is an absurdity of which no engineer should be guilty.

In cities the thickness of concrete base for pavements varies from 4 to 6 inches, the latter thickness being generally used for heavy traffic. For the large mileage of concrete roads now under way in California, a 4-inch thickness has been adopted, and the California highway engineer is not a novice at the business. There are other competent men who believe that a thickness of 4 inches of concrete is sufficient. Mr. George C. Warren, president of the Warren Brothers company, in a paper read before the sixteenth annual convention of the American society of Municipal Improvements, stated that in his judgment, based on over twenty-five years of experience, under ordinary conditions of well-rolled sub-soil 4 inches of concrete was ample, provided the concrete was not disturbed until thoroughly set. He stated further that he had many cases of practical experience to back his judgment, and that with a 6-inch base, one-third of the concrete was a wanton waste, except over poorly-filled trenches, where settlement may occur.

Even with the prospect of a greatly increased traffic, it hardly seems necessary that our country roads should be as heavy as the pavements in the congested districts of New York City, and it appears probable that 4 inches of good concrete will be sufficient, always with the proviso of proper drainage and compacting the subgrade, for either macadam or concrete. In special cases of extraordinary traffic or poor subsoil, a greater thickness will doubtless be necessary.

Assuming, for the purpose of comparison, a thickness of 4 inches, we may arrive at a fair estimate of relative cost. The writer favors a concrete base, with a thin bituminous wearing surface, as adopted in New York and California, but will also

give an estimate for a two-course type of all-concrete road.

For the California type the estimate can best be arrived at by considering the contract prices in California, and making the necessary changes to suit local conditions. The average of six contracts in California, for which itemized bids are at hand, covering 56 miles of road, makes the cost of concrete in place \$3.45 per cubic yard, exclusive of cost of cement, inclusive of cost of stone and sand, freight charges and hauling, mixing and placing, and protection from the sun and sprinkling while hardening, and hauling the cement, which was furnished by the state. The concrete mixture is in the proportion 1 1/2:1:5. This will require about 1.3 barrels of cement per cubic yard of concrete rammed in place.

Taking conditions at Eugene as typical of local conditions, the cost of a suitable cement blend, equal to the cement of which it is made, as previously stated, will be \$1.70 per barrel, making \$2.21 for the cement in a cubic yard of concrete. There is no good reason why the cost of the remaining items enumerated above should exceed the California prices quoted, and in fact with proper equipment the Eugene price would be less. Adding the items we obtain \$5.66 as the total cost per cubic yard of rammed concrete. Since one cubic yard will lay 9 square yards 4 inches thick, the cost of concrete per square yard is about 63 cents.

(To be continued.)

The Mothers' Favorite.

A cough medicine for children should be harmless. It should be pleasant to take. It should be effective. Chamberlain's Cough Remedy is all of this and is the mothers' favorite everywhere. For sale by all dealers.

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- 7—DAY & CHAPMAN, MUSIC & EFFECTS.

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The Northwestern National has just rendered their Twenty-Seventh annual statement; is an established Company with more than \$28,000,000.00 of insurance in force. Insuring Men and Women at equal rates. Office Rm. 20-22, the new Foley Bldg. FISHER & HALL, Gen'l Agents, P. O. Lock Box 863, La Grande, Oregon.

As this is our first year in business and we are anxious to get you started buying your seeds of us, we will make you this liberal offer: Anyone buying seeds of us amounting to \$1.00 will be presented with a potted plant from our greenhouses (your own selection) valued at 25c. La Grande Seed and Floral company.

3-12-11

The Forty Year Test.

An article must have exceptional merit to survive for a period of forty years. Chamberlain's Cough Remedy was first offered to the public in 1873. From a small beginning it has grown in favor and popularity until it has attained a world wide reputation. You will find nothing better for a undersand why it is a favorite after-cough or cold. Try it and you will find a period of more than forty years. It not only gives relief—it cures. For sale by all dealers.

Notice to Contractors for Bids.

Notice is hereby given that sealed bids will be received by the undersigned until 8 o'clock p. m., April 2, 1913, for the construction of approximately 400 lineal feet of cement walk to be built on the north and west sides of the west half of block 12, Coggan's addition, which lies on the east side of Tenth street, and the south side of Washington avenue. Bids must be accompanied by a certified check for five per cent of the amount bid.

By order of the council March 12, 1913.

LEE WARNICK,
City Recorder.

3-24-5t

Treasurer's Call for Road Warrants.

La Grande, Oregon, March 24, 1913.—Notice. The undersigned treasurer of Union county, Oregon, has funds on hand with which to pay all warrants issued on the road fund and endorsed not paid for want of funds prior to March the 25th, 1913. Interest on the above warrants ceased on March 24th, 1913.

JOHN FRAWLEY,
Treasurer of Union county.

3-24-5t

Italian prune and Elberta peach. Owing to our having a large order cancelled we are offering the above at a great reduction from regular prices. Stock first class. Prices on application. Union Nurseries, Union, Oregon.

3-21-5t

NEWS FOR THE RURAL SECTIONS

Observer's Big Asset

AFTER diligent search and at the sacrifice of considerable expense money The Observer has establish paid correspondents in a majority of all the big towns, and a vast number of postoffice and rural districts throughout Union and Wallowa counties. Within the course of a month this chain of paid correspondents will be complete and long and The Observer can then boast of the biggest news-gathering force of any out-of-Portland paper in the state. Scarcely a hamlet in the two counties but what will have its day-to-day news recorded weekly in The Observer. With a network of telephone wires, and rural route mail service, the combination works "going and coming" — The Observer gets the news from the rural districts by both letter and telephone, and The Observer, in turn, promptly reaches the readers with not only the country correspondence in full, but its varied other news "to boot"

Daily TheObserver brings to the reader the latest news and gossip from the market world—wheat, hogs, vegetables, cattle, in fact, every commodity of trade is reviewed for the instruction and benefit of the reader who may have no other way of learning these important facts.

No matter how remote the reader is from well-beaten thoroughfares of commerce or from the larger cities, The Observer, through its expensive telegraph news system keeps that reader in close touch with the world's affairs. No corner so distant but what The Observer telegraph news system reaches there and quickly, surely and concisely puts it before the Observer readers today.



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