

FOUR RIVERS OF TILLAMOOK COUNTY UNIQUE IN NEARNESS

Tillamook, 12 Miles Long, Trask, 30, Wilson, 38 and Kilchis, 20, Flow Into Same Bay Within Two Miles or so of Each Other.

This is the 36th of a series of articles by Mr. Bennett on Oregon waterways. The 35th with follow-up in an early date, presents the Sunday following this article. The Oregonian would do well to save these articles for when needed, they will present the first authentic tabulation of our rivers, lakes and creeks.

ADDISON BENNETT.

HAVING gone over all the waterways in Lane county, it only remains to give the totals, which I will now append. There are 120 named creeks in Lane, and I estimate their total length to be 790 miles, which is more than six miles a stream. That may look like a large figure, but a good many of the creeks are 25 miles and more in length. The total number of unnamed creeks in the county is 2495, with an estimated length of 5566 miles. These figures sound large. But I think I can show that they are far too low for the reason that there are more than 20 townships, counting those not plotted in the eastern end of the county, there are hardly any named streams except rivers. In some of the townships down in the central part of the county, from east to west, there are four or five named streams, and in some of them more than a dozen named streams. Lane is so well and unusually watered that I feel sure there are not only dozens or scores, but actually hundreds of streams not on the maps.

Lane Has 15 Rivers.

Lane has 15 rivers, with a total length of 411 miles. This you will remember, does not include the rivers that flow out of the county, like the Willamette, for each stream is credited to the county where they are largest. There are also ten named lakes and 29 unnamed. Waldo lake is the largest. Some of them are small, but I guess they all afford good trout fishing.

So I estimated the length of the streams in Lane amounts to 6747 miles, not counting lakes.

Having already tabulated the Lane, each county stream, I will now pass up the coast to Tillamook county, which is less than a quarter as large as Lane. In fact there are only 11 smaller counties in Oregon, but Tillamook. But it is a great little county. It points the way for every county in the west when it comes to co-operative marketing. Indeed, Tillamook's cheese is handled better than any other product produced in Oregon, if not in the entire country.

Nestucca First Stream.

Starting in the southwestern corner of the county on the Pacific, the first stream is the Nestucca river, 15 miles long. It flows into Nestucca bay. It flows in Yach County 21 miles east and eight miles north of its mouth. Little Nestucca river, 14 miles long, also flows into Nestucca bay. Fall creek, four miles long, flows into Little Nestucca a mile below Cloverdale. Sand creek, four miles long, flows into Sand lake, eleven miles north of Nestucca bay. This lake is connected to an unnamed bay, which is close to the ocean and about four miles south of Cape Lookout. Bear creek, five miles long, flows into Bear creek, near the town of Hemlock. Bear creek, 11 miles long, flows into the town of Blaine. Elk creek, six miles long, flows into the Nestucca four miles from the east side of the county. All of the streams before mentioned are in townships 2 and 4 north, ranges 7 to 10 west. In township 2 south, on the ocean, is Netarts bay, which is about five miles long north and south and from a half mile to one mile east and west. The town of Netarts is just to the north of it. Whiskey creek (who not have all of the Oregon whiskey creeks changed either as to name or fluid?) is a little more than a mile long. It flows into Netarts bay from the southeast. Bently creek, six miles long, flows into the Tillamook river, three miles above the town of Tillamook, the county seat of the county.

Four Rivers Near Together.

Killam creek, six miles long, is a little more than a mile above Bently creek, and Fall creek, six miles long, flows also into the Tillamook, less than a mile above Bently creek, and Damascus creek, six miles long, flows into the Tillamook in the northeast corner of township 2 south, range 7 west Gold creek, four miles long, flows into Trask river. In townships 1 north and 1 south, on the ocean, is Tillamook bay, apparently about seven miles north and south, and from four miles down to a quarter in width. Tillamook city is near the southern end. Tillamook river, 12 miles long, Trask river, 30 miles long, and Wilson river, 38 miles long, all flow into the bay within two miles or so, and less than a mile farther north the Kilchis river, 20 miles long, flows into the same bay. I do not suppose there is a parallel case in this country, where four rivers come so near together at their mouths.

The south fork of Trask river, 11 miles long, flows into the Trask two miles east and one mile north of the town of Trask. Fall creek, four miles long, flows into Wilson river, and Clear creek, four miles long, flows into the Trask. One mile west of the eastern line of the county the north fork of Wilson river, ten miles long, flows into Wilson river east of Tillamook bay.

Miami Near Bay City.

In township 1 north Bay City, also on Tillamook bay, is located, and near there Miami river, 15 miles long, flows into Tillamook bay. No other named streams are in that township until Jordan creek, nine miles long, is reached in the east end of the county, which flows into Wilson river. At the town of Wilson, ten miles north and 14 miles east of Tillamook, the middle fork of Wilson river, ten miles long, flows into the main stream, and a mile down stream from there Cedar creek, four miles long, flows in.

There are no named streams in township 2 north. Nehalem bay is located in township 2 north, on which are the towns of Nehalem, Mohler, Wheeler and Vashburg. The Nehalem river, 50 miles long, flows into the bay. It rises in the extreme northeastern corner of Tillamook county, flows east five miles through Washington county, then turns and flows up to Mist, 20 miles north in Columbia county, then wiggles to the west and finally to the northwest through Clatsop county, then flows into Nehalem bay. It is difficult to measure its length, and I think it is at least 50 miles long.

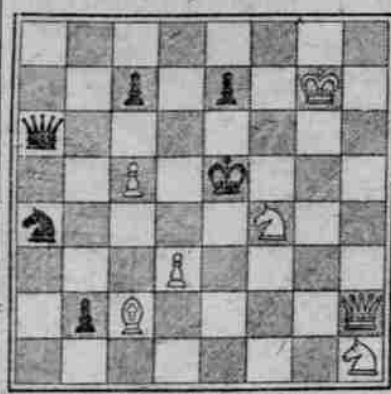
Sand Creek Short.

In the extreme northwest corner of the county, near Cape Falcon, Short Sand creek flows in. It is four miles long, Necanicum creek, two miles long, also flows in near there. The north fork of the Nehalem, ten miles long, flows into the Nehalem near the town of Nehalem. Lost creek, five miles long, flows into the Nehalem five miles east and two miles north of the town of Wheeler, and Crooka creek, ten miles long, flows in a mile below Lost creek. Salmonberry river, 18 miles long, flows into the Nehalem river at

Items of interest, criticism and club notes solicited. Send direct to 143 East Thirty-fifth street.

PROBLEM NO. 1023.

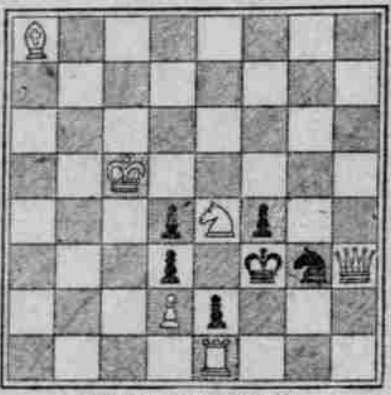
By Dr. W. R. Dalton, Seattle, Wash. Burglar proof, and you will have to have the right key to unlock the combination. It will work with ease and regularity. Mental culture in rural life drive away all insomnia and bohemism. BLACK-SIX PIECES



WHITE-SEVEN PIECES. White to move in three moves. White-King on K1, Queen on Q1, Rook on R1, Knight on N1, Bishop on B1, Pawn on P1. Black-King on K8, Queen on Q8, Rook on R8, Knight on N8, Bishop on B8, Pawn on P8.

PROBLEM NO. 1024.

By Dr. W. R. Dalton, Seattle, Wash. An easy "two mover" for beginners. The one below should bring many solutions from the beginners. BLACK-SIX PIECES



WHITE-SIX PIECES. White to move in two moves. White-King on K1, Queen on Q1, Rook on R1, Knight on N1, Bishop on B1, Pawn on P1. Black-King on K8, Queen on Q8, Rook on R8, Knight on N8, Bishop on B8, Pawn on P8.

Black, six pieces: white, six pieces. White to move in two moves. White-King on K1, Queen on Q1, Rook on R1, Knight on N1, Bishop on B1, Pawn on P1. Black-King on K8, Queen on Q8, Rook on R8, Knight on N8, Bishop on B8, Pawn on P8.

CHESS and CHECKERS

E. H. BRYANT, Editor. Portland Chess and Checker Club, Washington building, room 301, Southeast corner Washington and Fourth streets. Contributions of games, endgames, problems or solutions.

with Ray LaFever, but considers him two

Black-King on K1, Queen on Q1, Rook on R1, Knight on N1, Bishop on B1, Pawn on P1. Black-King on K8, Queen on Q8, Rook on R8, Knight on N8, Bishop on B8, Pawn on P8.

SOLUTIONS.

Problem No. 1023—Key, Q-Q. Problem No. 1024—Key, R-K1.

Solutions have been received from C. O. Givens, H. S. Goddard, M. L. Owens, Mrs. E. H. Bryant, J. A. S. Packard, V. Huber, F. J. Berry, H. Johnson, D. L. White, R. Edwards, and Foster.

We are in receipt of two original problems from E. J. Gillette, Rochester, Wash. Mr. Gillette states they are his first-born and twins. He expresses some fear regarding their reception. Will appear in our next issue. Gratifying that so many are sending in their first compositions.

William J. Lechner, Baker, Or., writes that he would be pleased to have some one show him where he is in error in giving the key Q-Q in problem No. 1023. Solutions to Nos. 1023 and 1024 were received from Mr. Lechner, who never did he solve any in so short a time.

C. G. Givens, Salem, Or., writes that no wonder George Griffith had to say off soon after composing problem 1023. Good! Good! (Great bishop) Mr. Givens, sending in the correct solution. But three solutions stated it was impossible, etc. R-K2, K-Q3, 2, R-Q2, K-K1, 3, K-K1, R-B4, 4, R-B4, K-K1, 5, K-K1, R-B4, 6, R-B4, K-K1, 7, K-K1, R-B4, 8, R-B4, K-K1, 9, K-K1, R-B4, 10, R-B4, K-K1, 11, K-K1, R-B4, 12, R-B4, K-K1, 13, K-K1, R-B4, 14, R-B4, K-K1, 15, K-K1, R-B4, 16, R-B4, K-K1, 17, K-K1, R-B4, 18, R-B4, K-K1, 19, K-K1, R-B4, 20, R-B4, K-K1, 21, K-K1, R-B4, 22, R-B4, K-K1, 23, K-K1, R-B4, 24, R-B4, K-K1, 25, K-K1, R-B4, 26, R-B4, K-K1, 27, K-K1, R-B4, 28, R-B4, K-K1, 29, K-K1, R-B4, 30, R-B4, K-K1, 31, K-K1, R-B4, 32, R-B4, K-K1, 33, K-K1, R-B4, 34, R-B4, K-K1, 35, K-K1, R-B4, 36, R-B4, K-K1, 37, K-K1, R-B4, 38, R-B4, K-K1, 39, K-K1, R-B4, 40, R-B4, K-K1, 41, K-K1, R-B4, 42, R-B4, K-K1, 43, K-K1, R-B4, 44, R-B4, K-K1, 45, K-K1, R-B4, 46, R-B4, K-K1, 47, K-K1, R-B4, 48, R-B4, K-K1, 49, K-K1, R-B4, 50, R-B4, K-K1, 51, K-K1, R-B4, 52, R-B4, K-K1, 53, K-K1, R-B4, 54, R-B4, K-K1, 55, K-K1, R-B4, 56, R-B4, K-K1, 57, K-K1, R-B4, 58, R-B4, K-K1, 59, K-K1, R-B4, 60, R-B4, K-K1, 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