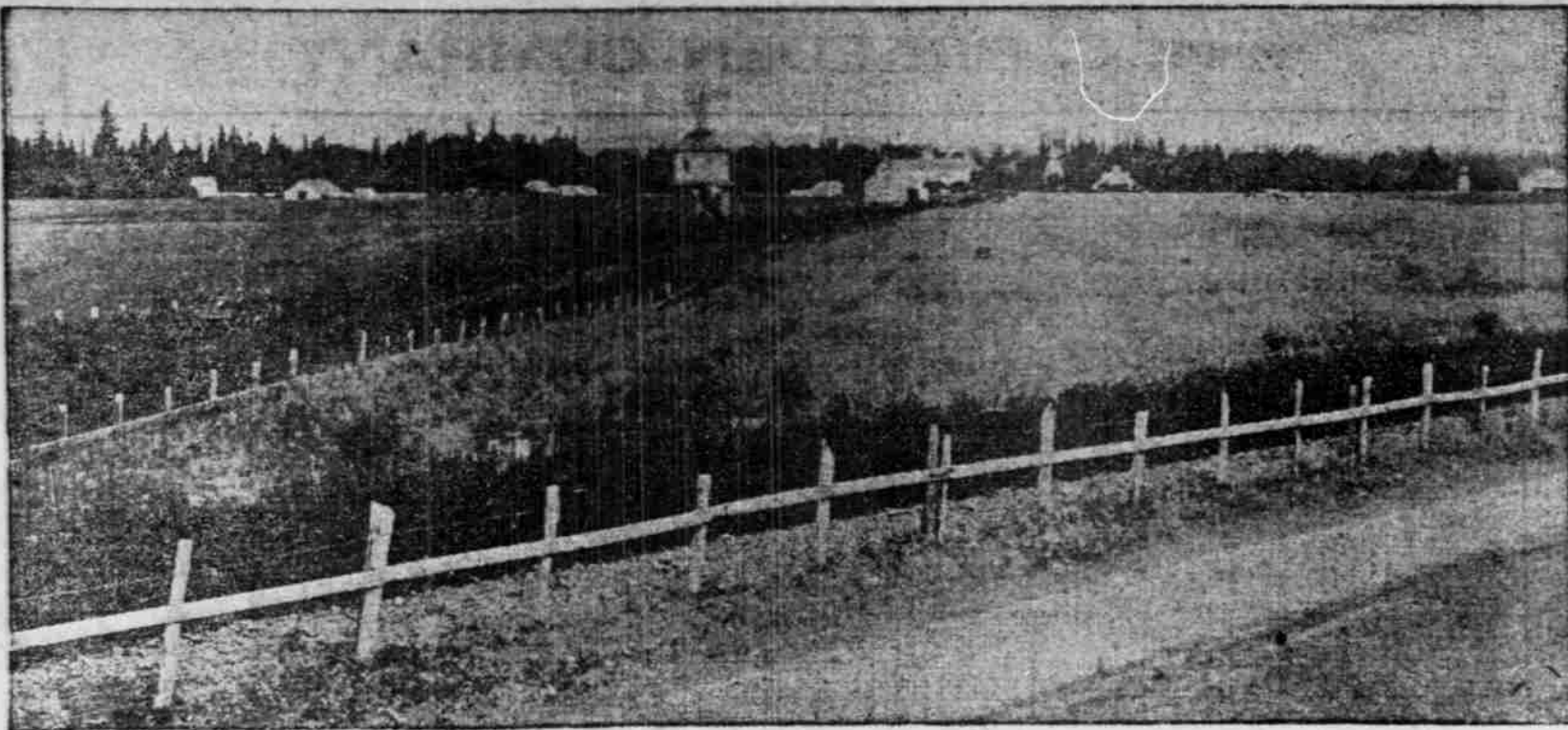




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WEATHER AND CLIMATE

For Diversity and Equableness Few
States Can Compare With Oregon

NEARLY every portion of the United States is more or less prominent on account of certain peculiarities of climate, but it can be said without fear of contradiction that few, if any, can compare with Oregon as regards diversity. Within the borders of this vast state, combining a land area of 84,000 square miles, the inhabitants experience climatic conditions ranging from those of the hillside of sunny Italy to the frosty regions of Minnesota and Montana, and from the humid atmosphere of the British Isles to the arid regions of Arizona. In short, there can be found almost any variety of climate known to the temperate latitudes. West of the Cascade Mountains the Summers are almost rainless, with delightfully cool temperatures, while during the Winter months this portion of the state receives an abundance of rainfall. East of the Cascades the climate is of a continental type. Here the Winters are more rigorous and during the Summer months the temperature often reaches as high as 100 degrees. The nights, however, are generally cool, which insures a good night's rest. The rainfall in this region is not as great as it is in the western portion of the state, and is heaviest during the Winter months. There is a secondary maximum, however, during April and May which comes just at the right time to give crops a good start before the advent of the dry season.

As regards climate, the state may be properly divided into five distinct districts, namely, the Coast, embracing that portion of the state west of the Coast Range of Mountains; the Willamette Valley, lying between the Cascades on the east and the Coast Range on the west, and extending southward to the Calapoia Mountains; Southern Oregon, embracing the counties of Douglas, Josephine and Jackson; the Columbia River Valley, which takes in the territory adjoining the Columbia River between the Cascades and the Blue Mountains; and Eastern Oregon, extending from the Cascades on the west to Idaho on the east, and from the Blue Mountains southward to the state line.

The stations shown in the tables here presented represent the weather during the last year in the principal climatic divisions mentioned above. The rainfall in the Coast counties is very heavy, and increases going from the Pacific Ocean up the slope of the Coast Range of Mountains; there is a gradual decrease going from north to south. This section is well adapted for dairying, which

is carried on to considerable extent. Hay, fruit and vegetables are also grown in this district. The Willamette Valley, containing about 5,000,000 acres, is well adapted for mixed farming, which is the principal occupation. The soil and the climatic conditions

STATION.	Elevation, feet.	Temperature, Deg. Fahrenheit.	Precipitation, inches.	Sky.	Prevailing winds.
		Highest.			
		Lowest.			
		Normal.			
Portland	60	77	43.88	51	N. W.
Bay City	225	75	43.88	51	N. W.
Roseburg	123	75	43.88	51	N. W.
The Dalles	112	75	43.88	51	N. W.
Weston	300	75	43.88	51	N. W.
La Grande	274	75	43.88	51	N. W.
Beulah	460	75	43.88	51	N. W.

RAINFALL BY MONTHS.

STATION.	Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Annual.
Portland	4.01	3.11	5.66	5.79	7.71	7.81	7.81	7.81	7.81	7.81	7.81	7.81	62.38
Bay City	3.49	1.81	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	31.58
Roseburg	4.85	2.34	7.67	3.22	3.98	2.43	2.43	2.43	2.43	2.43	2.43	2.43	35.34
The Dalles	1.64	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	16.47
Weston	3.05	1.78	3.65	1.19	2.86	4.01	1.6	2.96	2.7	1.34	1.22	5.87	28.80
La Grande	2.78	79	1.99	1.71	1.71	2.45	2.45	2.45	2.45	2.45	2.45	2.45	19.73
Beulah	1.23	54	3.82	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	12.40

are favorable for raising small grains, vegetables, hops and fruit. Like the Coast counties, dairying is one of the principal industries. The station at Portland gives a very good idea of the weather prevailing elsewhere in the Valley, notwithstanding its location in the northernmost portion, as there is very little difference in either the temperature or the rainfall in this basin.

Southern Oregon is cut up into numerous fertile valleys, and there is a wide range in the precipitation only short distances apart. The temperature is more uniform. The Summers are drier than those of the Willamette Valley, and considerable irrigating is done in this district, principally to increase yields. Small grain, alfalfa, hops, hay and fruit are the principal crops grown, and corn can usually be matured.

The Columbia River Valley is the wheat-growing section of Oregon, and about half a million acres of land are under cultivation for that cereal annually. The rainfall is generally sufficient for

small grain, fruit and vegetables. Considerable stock is raised in this part of the state, and the rolling hills and plateaus afford an abundance of food for the large bands of cattle and sheep that pasture on them.

Eastern Oregon is also a stock-raising section. There are several fertile valleys that produce an abundance of hay and alfalfa, while Spring wheat, sugar beets, vegetables and fruit are also grown. As a rule, the rainfall is sufficient to carry all crops forward to maturity. The stations selected to represent this region give a fairly accurate idea of the weather

have for a number of years used this coal in their forges, but the outcropping seams were not thick enough to warrant extensive operations. In 1891 it was discovered that the seams are thicker than was supposed and extensive development work is going on.

Fruit, Freight and Chinese Labor.
San Francisco Argonaut.

At the recent fruitgrowers' convention in this city the horticulturists put themselves on record again as opposed to the importation of Chinese as farm laborers. The discussion was started by a paper urging the need of labor on the farm, large quantities of fruit being wasted this year through the inability of the growers to get labor to pick it. The paper urged a modification of the exclusion law to permit Chinese to come here for this purpose. In opposition to this was put forward a proposition to get white boys to come from the East, on the ground that they would form a desirable element of the population. Another speaker suggested that there was no lack of labor here, but it would not accept employment to be "treated like outcasts and made to sleep with the stock." The question of freight rates naturally took a prominent place in the discussions. One speaker de-

clared that the value of the apple crop this year was \$2,000,000, but the railroad wanted more than this for transporting it to market. Another said: "We are putting ourselves on the backs for getting a reduction to Mississippi River points from \$1.85 to 85 cents, while Oregon has a rate of 60 cents. Jim Hill figured rates down to the last fraction, and gave them a rate of 4 of 1 cent a mile in order to build up the country." On shipments of 135 carloads of deciduous fruit, on which the record has been kept, the loss was \$168 a car. After the first few weeks of the season fresh fruit was almost unsalable at any price for shipment East. What went forward was shipped by growers at their own risk, and they were forced to take care of it or let it spoil. The general sentiment against the railways is very strong.

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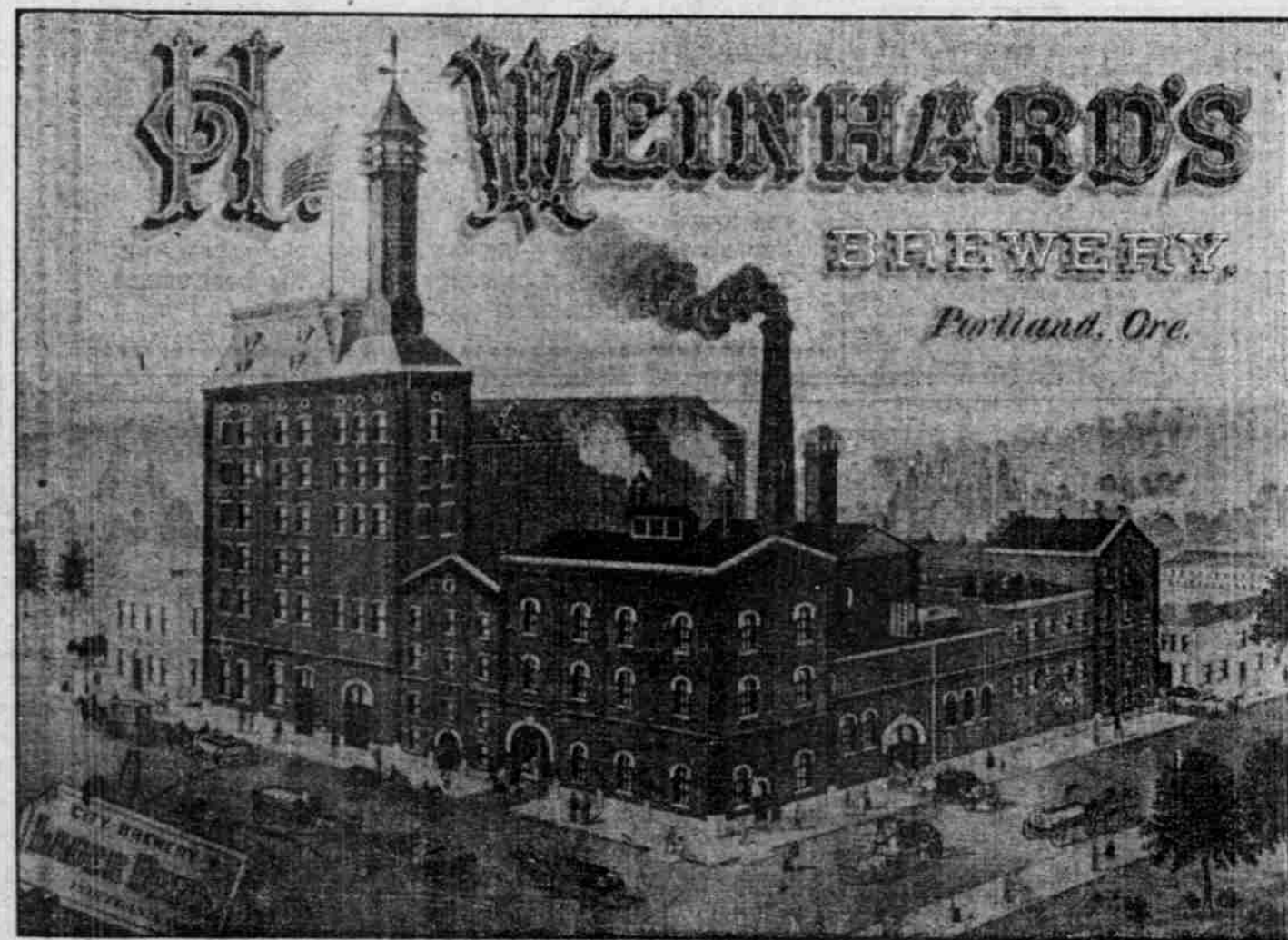
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