

FITNESS OF OUR CLIMATE AND SOIL FOR THE SUGAR BEET.

We have from the Atlantic to the Pacific the same temperate zone, which proves to be the natural home of the beet plant, here as well as in Europe.

The tests of beet sugar product have proved successful in Maine, Massachusetts, the Middle States, the Western States and in California.

Remarkable growths of all kinds of beets have occurred west and east of the Cascade mountains in Oregon and Washington. A special fitness of these soils is in their alkaline elements. Beets require for good growth, potash 53.1 per cent; soda, 14.8; magnesia, 5.1; lime, 4.6; oxide of iron, 0.8; phosphoric acid, 9.6; sulphuric acid, 3.3; silicic acid, 3.3; chlorine, 6.6.

Our volcanic soils are highly charged with these elements as are the volcanic soils of France and Germany. As a confirming test the chemical analysis of the ashes of beet molasses gives of potassa, 51.72; soda, 8.00; lime, 5.04; magnesia, 0.18; peroxide of iron, 0.30; alumina, 0.17; carbonic acid, 28.90; chlorine, 6.03; sulphuric acid, 1.33; phosphoric acid, 0.57; silica, 0.02. Our fine wheat products on both sides of the mountains require and find the same elements in the soil.



FIRST STREET, ALBANY.

OUR ADVANTAGES AND NEEDS.

The day of costly experiments has passed and we can profit by the success of beet sugar producers in Europe. It is an open field for us and a soil full of riches. The climate is like that of Western and Middle Europe. It brings the same cereals, fruits and vegetables to perfection. Our market for this product rapidly increases. Our need of varied and profitable crops is manifest every year. The immigrations from the beet sugar regions of France and Germany, doubtless, will supply the laborers of experience and skill in the

business. If in the cold, and somewhat sterile districts of Maine this industry proves a success, much more may it do so on this Northwest coast.

OUR WHEAT CROP.

We believe the two largest farmers in Oregon—or at least the two who have the largest acreage of ground under cultivation—are Dr. Blalock and G. T. Berry, both of whose farms are in Umatilla county, the former having two thousand acres and the latter twelve hundred, and the present season has brought them a yield of an average of thirty bushels to the acre. In fact the whole agricultural district in our county has averaged quite as well, and in some instances the average has been from 40 to 50 bushels. A gentleman who runs a threshing machine in the northern part of the county informed us last week that he had then threshed seventy thousand bushels of wheat, which came off land that averaged over thirty bushels per acre, and we doubt if any country can be found that will beat this, and though we at present claim Umatilla to be the banner county for quality of grain, the time is not far distant when we will take the lead in quantity also.—*East Oregonian*.

A profane upstart—The man who sits down on a bent pin.

The love of a fly for a bald-headed man passeth understanding.



THE MAGNOLIA MILLS AND WAREHOUSE, ALBANY, OREGON.