

In this state, G. nevada is most important. This is called nerved meadow grass. It is found in the Coast mountains, specimens having been gathered in that region measuring over seven feet in height. Cattle graze upon the grass both when it is green and when made into hay.

dry weather as orchard grass does. When cut early it is not excelled for hay. It makes a most excellent grass to mix with clover, for it matures at the same time.

where water can be supplied. As high as seven tons per acre have been harvested in a single season and this on sagebrush land, which, at one time, was thought to be worthless.

A discussion of the forage plants of Oregon would not be complete without mention of the vetch and wild pea. There are several species belonging to the genera vicia and lathyrus. Both of these furnish valuable forage plants.

COMPARATIVE VALUES OF DAILY PRODUCTION IN OREGON.

Table with columns for Dairy Equipment (1898, 1899, 1900) and values for Butter, Cheese, Milk supply, No. dairy cows, Household milk cows, Acres of land, and Buildings.

Other finer grasses should be sown with it, to cover the ground more completely for, like many other coarse grasses, it grows in tussocks.

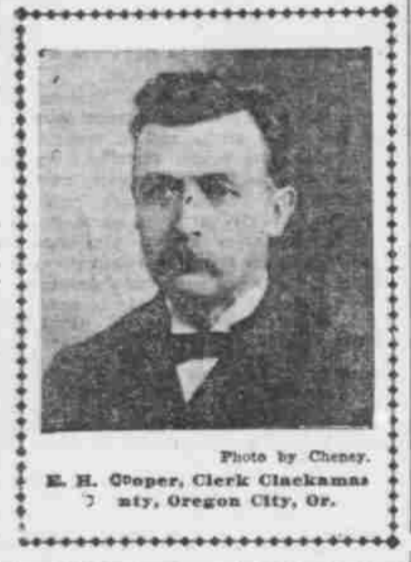


Photo by Cheney. E. H. Cooper, Clerk Clackamas County, Oregon City, Or.

Velvet and Orchard Grass. Velvet grass scarcely needs an introduction to the Oregon farmer, for it is so widely distributed that it has become well known. It is a grass introduced from Europe, but is quite thoroughly naturalized.

Agrostis is one of the largest and most widely distributed genera found in the state. It contributes some of the most valuable grasses found in Oregon pastures and meadows.

Orchard grass, though introduced from Europe has become thoroughly Americanized, and is almost a native Oregonian. There is no state in the Union where orchard grass does better than in Oregon.



Hon. Grant E. Dimick, Mayor of Oregon City, Or.

sited throughout Western Oregon. It grows on the red hill land and in the valleys. It makes good pasturage late in Fall and early in Spring. There is scarcely any grass that will withstand

in many parts of the state. It is very nutritious, and is readily eaten by stock of all kinds. Grasses of this genus are widely distributed throughout the state.

While wild oats grass is considered a weed "when out of place," it is a source of much valuable food for stock throughout portions of this state and California.

Timothy is one of the best-known grasses in this state, as in many of the older states. Timothy finds congenial soil and climate in many parts of Oregon. It thrives best on the low black lands along the coast and in the river bottoms.

Washington County It has been grown with flattering success. When sown in the Fall it will make a crop the following year. Hay made from this grass, if cut early, is good in quality, and the yield is very satisfactory.

Clover. The triple-leaved benefactor of mankind has many representatives in Oregon. There are probably more than 30 named species of native clover found in Oregon.

Both Alsike and white clover grow vigorously in the Coast Range. They are found in the mountains, foothills and along the coast. The great difficulty has been to get the seed to catch; but this is being gradually overcome, as a better state of cultivation prevails.

Yields of clover. Closely related to clover is alfalfa, which is sometimes called clover. This plant thrives in many parts of the state, making an important adjunct in furnishing pasturage and hay.

physical individuality has, for 21 years, been making itself felt in the energies and talents of the boys, who now well-balanced, successful, honored men, carry into various walks of life the impress of that judicious training.

BISHOP SCOTT ACADEMY.

Training School for Boys, Founded Thirty Years Ago.

Undoubtedly the most widely known of Portland institutions is Bishop Scott Academy. This excellent school for boys was founded by Bishop Morris in 1870, under the name of the Bishop Scott Grammar School.

During its 30 years' existence, nearly 2000 pupils have come under the influence of Bishop Scott Academy, and the character of that influence, as evidenced by the present standing in life of most of those pupils, affords just cause for pride, not only on the part of the instructors, but of the communities which they adorn and honor.

No institution of learning can, in the full sense of the term, be successful, which fails to impress its own peculiar stamp or personality upon those entrusted to its guidance. The truth of this has been strongly emphasized in Bishop Scott Academy.



BISHOP SCOTT ACADEMY, PORTLAND.

FIRST IN USE. A Recent Invention Brought Out by a Portland Man. Having heard of a new device that is in use at the Dekum Treatment Rooms, and no better growth could be found in it, but always finding the rooms occupied was obliged to make several calls before a favorable opportunity was found.

Over 400 species of trees are known in the Philippine Islands. Of these, about 50 have commercial value. The results of farmers engaging in improved methods of dairying are so remarkable as to be almost incredible.

WILLAMETTE IRON & STEEL WORKS.



Photo by L. J. Hahn, Portland.

WILLAMETTE IRON & STEEL WORKS

The above illustration gives a very good general view of the plant of one of the most representative and enterprising industrialists of the city. This concern since its recent reorganization has greatly broadened its field, and is doing much toward bringing the home production of high-grade machinery more nearly on a par with that of the older establishments of the East.

Reference to the old Willamette Iron Works calls to mind the palmy days when that business had a practical monopoly on nearly all the marine work of the Northwest, and gloried in a well-earned reputation for sterling work and good prices.

The writer recently availed himself of the welcome extended to all visitors, and was much impressed by the high efficiency of the modern tools which have been installed and the large force of skilled mechanics who contribute their share toward the rapid development of the industries of the Northwest.

also the needle spray, sinusoidal current, sweats, packs, salt glows, Swedish movements, oil rube, massage, etc. Miss Ida Wieland superintends the ladies' treatment. Hours 9 A. M. to 3 P. M. Edgar Beknap has charge of the men's treatment. Hours 5:30 to 9 P. M. There is a doctor in attendance to advise with and prescribe for the patient. The managers invite the public to call and inspect the appliances.

PORTLAND SANITARIUM.

Noted Health Institution Located on First and Montgomery Streets. Its purpose is to represent to the Pacific Northwest the art and science of neat-getting and health preservation on the highest level made possible by the present state of human knowledge.

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ASTOUNDING DAIRY RESULTS The results of farmers engaging in improved methods of dairying are so remarkable as to be almost incredible. It is not necessary to refer to Eastern or Middle Western states for an example, for we have them right on our Coast.

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