

AUTO PARTS MAKE BARN LIGHT PLANT

Farmers Clever at Tinkering Can Use "Heaps" To Lighten Labors.

Oregon State College.—Any farmer having a flare for mechanical tinkering and access to an automobile "honeyard" can install an inexpensive and fairly effective electric lighting system in his barn. The plan, which is approved by C. W. Walker, of the agricultural engineering department at Oregon State college, requires only that a gasoline engine be used on the farm for general purposes.

A common six volt generator such as usually remains in good condition in any "heap," is connected with the farm gasoline engine by means of a belt and crank shaft pulley so as to turn about 1800 revolutions per minute. It in turn is connected to a common auto storage battery just as it is in the car, and from the battery common electric light cord is run to the barn.

In the barn two or three old automobile headlights may be mounted in convenient places with their reflectors directed so as to afford the most light. A switch located near the door completes the installation.

When the engine is being used for the ordinary farm tasks it can just as easily be operating the little genera-

tor, as it requires no appreciable amount of power, thus keeping the battery charged at all times just as it is in a car.

The system costs but \$10 or \$15 even if the material is bought from wrecking houses. Of course the system does not compare with a regular connection with a 110 volt power line nor with the common 32 volt farm lighting plant, but it does beat carrying a lantern—and rigging it up provides good pastime for stormy winter days.

Oregon Children Need Cod Liver Oil In Winter

With the coming of winter and its meager snatches of sunshine, every Oregonian, child and adult, needs the protective vitamins of codliver oil, says Mrs. Jessamine C. Williams, professor of foods and nutrition at Oregon State college.

The value of codliver oil as a source of vitamin D, the substance manufactured in the pigment of the skin when subjected to direct sunlight, has long been recognized, Mrs. Williams points out, and every mother knows that an adequate supply of vitamin D is necessary to the proper bone and teeth development of the child and as a prevention against rickets.

What many parents do not know however, Mrs. Williams continued, is that codliver oil is also the richest known source of vitamin A, the vitamin which protects against infections such as the common cold, sinus, bronchial and lungs, and is therefore doubly important during the winter season when such infections are most prevalent. The various substitutes for codliver oil found on the market do not contain vitamin A.

URGING ACTION ON BIG PROJECT

Adoption of Umatilla Plan Demanded to Give Work to Thousands.

Portland.—Demand that Umatilla Rapids project be adopted by congress at its coming session as an employment relief measure is taking form throughout the Pacific Northwest, writes Marshall Dana in the Oregon Journal.

Employment of between 7000 and 8000 men during the construction period is predicted.

Employment in industries that will furnish materials would be increased. A train more than 100 miles long would be required to haul the cement necessary in building the dam, it is said.

Enough lumber would be used in construction and to house workers to build a small city.

In addition, machinery, supplies, structural materials of miscellaneous nature and transportation would be used in big way for the \$45,000,000 dam.

Food supplies alone would be a large item of interest to producers.

Proposal to create a "Committee of One Hundred" to voice the unanimous sentiment of Portland for the project is before the Portland Chamber of Commerce.

Washington and Oregon granges, with direct interest in cheap power because of passage of their power bills at the last election, are already moving toward concerted support of the Umatilla Rapids bill which is to be reintroduced by Senator McNary in the senate and Congressman Butler in the house at the opening of the next session.

Hearings to be held before a joint session of the house and senate committees on reclamation and irrigation are arranged to be held in January.

Governor-elect Meier will be represented in urging adoption of the project in person if possible. Mayor Baker of Portland has stated that he will travel to the national capital in behalf of the project if the necessary arrangements can be made. Similar suggestions affect Governor Hartley of Washington, Governor Baldrige of Idaho and the mayors of Tacoma, Seattle, Spokane, Walla Walla, Yakima and Pendleton.

E. B. Aldrich, chairman of the campaign committee, and George C. Baer, secretary of the Umatilla Rapids association, both of Pendleton, have been in Portland several days in behalf of the project. A budget of \$10,000 is necessary to carry on the campaign, they said.

H. R. Richardson, Wasco county wheat grower, member of the board of the Wheat Growers' league and a leader in the Columbia Valley association, came to Portland Saturday in behalf of the navigation feature on the Columbia.

"Wheat is quoted at 41 cents a bushel at Pomeroy," he said. "At The Dalles it is about 50 cents and in Portland 63 cents. These are tragic prices. Unless we can have cheaper transportation we are ruined as wheat growers. In Wasco county we grow 800,000 bushels of wheat and pay some \$800,000 in taxes.

"Wheat is our major crop; if it fails the country and the district fail. I have lived and worked on my farm 47 years. My wife and I began our life there together.

"I built a home for my son when he married. We had visions of retirement when he took hold, and he is doing his part like a man.

"They talk now of the five-day week. We must work every day and every daylight hour, and with all the drudgery we can't make expenses. We put in a dairy and some chickens, and if it hadn't been for these we would have been gone already. It isn't fair that producers should be subjected to such toil, with no prospect except failure, unless there is a readjustment of economy that will permit us to pay our costs and enjoy a profit. If we have to leave the farm, we don't know which way to turn.

"Mr. Legge of the farm board says curtail production and market within the United States. Our land must grow wheat, chiefly, and we must look to a foreign market. What we must have is not only better price, but cheaper transportation. We must have navigation. We must have it now. If we wait until later to use the Columbia, it will be too late, the producers will be gone."

Renewed assurance from President Hoover to Senator McNary of administration support of the Umatilla Rapids project, as revealed in recent press dispatches, has spurred Northwest effort.

Umatilla Rapids has the advantage of having been completely engineered by the government. A base of 100 feet rock would form the foundation of the dam. Reclamation can be installed by pumping as required. The Columbia would be canalized to the mouth of the Snake in aid of navigation. There would be an element of flood control and an interstate bridge would rest upon the crest of the dam. Generating estimates for power are the lowest known—1.2 mills a kilowatt hour or about \$7.90 a horsepower year.

Helen Foster was in Pendleton Wednesday.

High School Notes

Editorial (Betty Eager)

"If at first you don't succeed, try again." What an excellent lesson these few words could teach everyone if everyone would only be willing to try and learn. When some people start out in the business world and they do not succeed in just a very short time, they stop trying and think they are beaten. If these same people were starting out for pleasure, they would not stop for anything. If people would only persevere on the serious things of life as much as they do the frivolous things, how much better off they would be and how much more they would accomplish.

A student was taking an examination one day. He looked at the first question and it seemed rather difficult, so he did not read on through the examination to see if he could answer some of the other questions. He stopped at the first question and did not even try to answer it. Of course this student did not get a grade for that examination. The next day, when the questions were explained, he found that he knew the answers to most of them. Then how he wished that he had stayed with it and reasoned the questions out. No one should fail in school or in business simply because he gives up too easily, so let's all try, try again if we do not succeed the first time.

Alumni

Curtis Duffield returned home, Friday, from Portland, where he visited with friends and relatives.

Marjorie Wilson shopped in Walla Walla Friday.

Carolyn Kidder left Friday for Butte, Montana, where she will visit friends.

Music

The orchestra is having two rehearsals each week. Every instrument is now being included in each practice.

The orchestra assembled at Marjorie Douglas' home Saturday night. All were present except those who live in the country and could not get in.

The Glee club made its first appearance in public last Friday, at the school play, "The Goose Hangs High." They sang the following songs: "The Woodland Calls," by Rhys-Herbert; "On the Road to Mandalay," by Speaks.

Personals

Harold Kirk, Fred Singer, Solista Pickett and Raymond Murphy motored to Walla Walla, Sunday.

Glenn McCullough, George Pittman and Wendell Shigley were in Pendleton, Saturday.

Dorothy Burke and Marjorie Montague spent Sunday in Walla Walla.

Emery Rogers motored to Milton, Sunday.

Marjorie Douglas, Arleen Myrick and Ralph Moore were in Pendleton, Sunday.

Goldie Miller spent Wednesday shopping in Pendleton.

Grade News

Katherine Walters has returned to school after a recent illness.

Donald Mayberry is still out of school.

About one-third of the room has been absent in the past week in the first and second grade because of colds.

Sheldon Sheard has returned to school after a recent illness.

Jean Miller has returned after being confined with chicken pox.

Robert Mayberry and Woodrow Wilson are absent from school.

Most of the students who were out of school last week are back today. The sixth grade history class are making manuals for history. These illustrate the life of the Oregon pioneers.

Ralph Bruce will not be back to school before spring.

Norbert Walters is out of school with chicken pox.

Girls' Athletics

Girls' basket ball is in full progress and the girls are turning out regularly. There seems to be a lot of interest and enthusiasm among the girls. A profitable year is before them, we hope.

Faculty

Mr. William H. Bloom, superintendent of school at Umatilla, and Miss Cornelia Tomes of Pendleton, were week-end guests of Mr. and Mrs. E. F. Bloom.

Mrs. Blatchford's mother, Mrs. Neineck of Okanogan, Washington, will be here for Thanksgiving.

High School Play

The student body play, "The Goose Hangs High," was put on before the public last Friday night at the school auditorium. It turned out to be very successful in every way. The characters of the play were all very good.

Some of the outstanding parts were: Bernard Ingals, Eunice Ingals, Hugh Ingals, Lois Ingals, Bradley Ingals, Dagmar Carroll, Mrs. Bradley. These parts were especially splendid. The members of the play cast were Bernard Ingals, Stafford Hansell; Eunice Ingals, Arleen Myrick; Noel Derby, Glenn McCullough; Leo Day, Walter Huffman; Rhoda, Myrtle Campbell; Julia Murdock, Marjorie Montague; Mrs. Bradley, Marjorie Douglas; Ronald Murdock, Emery Rogers; Hugh Ingals, Ronald Wilson; Lois Ingals, Mildred Hansell; Bradley Ingals, Fred Singer; Kemberly, Arthur Crow-

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