# - POOR STORAGE CAUSES BIG LOSSES IN POTATO YIELD

HEAT AND FRESH AIR age results are too high, temperate IMPORTANT.

Cellars Half Above and Half Below Surface of Ground Generally Recommended-Storage

should Be Cleaned.

cipated early in the year, and consequently the prospects are that the prices will remain unusually high throughout the winter. It is imtake every precaution to avoid possible the natural heating which storage methods.

"First of all in the prevention of potato storage," says Mr. McKay, economy by leaving the potatoes out- may be left open at night and kept ging, handling, and storing of the or early in the morning before they that the whole bin is kept reasonably mare and colt branded three quartubers so that they are injured as bave had an opportunity to become cool at all time. All storage places ter square with quarter circle between so that they are injured as bave had an opportunity to become cool at all time. All storage places ter square with quarter circle between the provided with a thermo-neath on right shoulder. The cost not quite, true that a mature potato A good storage place embodies the meter, so that the temperatures may ventilated storage bin, will not rot. got suffer from serious wounds first atmosphere outside, convenience in much of the loss from this disease and then rot afterwards.

"The second essential thing for rot use, ample in size, and durable, sevention during storage is the surrounding of the tuber with favorable STORAGE DRY ROT OF POTATOES during any other part of the storage conditions. The successful storage of potatoes is dependent on the tem. States where potatoes are an import- potatoes need especially to be surperature at which they are held, the ant cash crop these essentials are rounded by the favorable storage moisture content of the air, the size most eficient secured in the cellars conditions that are best secured only of the storage pile, and the exclu-constructed half underground and in a good storage place.

tures and insufficient ventiliation.

"There are a number of distinct rots of potato tubers caused by different organisms and almost without exception they are most severe when the storage temperatures are high and when the air becomes heavily laden with moisture, due to lack of proper ventilation. For instance, neither the powdery dry rot which is OREGON. AGRICULTURAL COL. so common in the eastern part of the LEGE, Nov. 13. Thousands of dol. state, nor the dry rot which is aplars are lost annually in Oregon due parently widely distributed all over to storage dry rot of potatoes. The the state, will develop seriously in estimate for the production of pcts. storage if the temperature is kept at toes in the United States for 1919 is from 34 to 38 degrees Fahrenheit, now much below what had been anti- and if the storage place is kept well ventiliated.

Keep Tubers Cool.

Potatoes in large quantities should never be placed directly in storage in at one end large enough to acportant, in consideration of these if they have become heated by high facts points out M. B. McKay, as- day temperatures, points out Mr. sistant plant pathologist for the Ore- McKay. They should first be thorgon Agricultural Experiment station, oughly cooled to prevent as far as serious losses. Much waste can be takes place and to start the storage is the double-walled, sawdust-lined

storage dry rot comes care in the dig- side the storage rather late at night closed in the daytime, with the result the as possible. It is almost, but heated again by external conditions, should be provided with a thermo-

with a sound skin, if kept in a well following requirements; easy and be regulated intelligently. Injury is ing. In case of failure to redeem thoroughness of ventiliation, ability produced when the temperatures are on part of owner, said livestock At least it can be safely gald that to prevent rapid changes in tempera- too low as well as when they are too more than 95 percent of the tuber ture inside in response to rapid high. With the dry rot it appears which do not rot in storage from dry changes in the temperature of the that the critical time, the time when 14th day of November at 3 p. m. cleaning, conveniently arranged for results, is during the first two

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commodate a wagon for convenience in loading or unloading the potatoes.

Storage Type Given. Another type of storage place used with much satisfaction in this state months after digging, when the temperatures are apt to be higher than In many sections of the United period. It is at this time that our

commonly responsible for poor stor- and with large doors and a driveway ting of potatoes was had the previto kill all the potato rot-producing on the 29th., day of November, 1919. oughly swabbed or sprayed until wet with either of the following solu-

Copper sulphate (bluestone) 1 pound, water 10 gallons; or Formal-

dehyde 1 pint, water 10 gallons. again placed in it.

Cut This Out—It Is Worth Money.

Don't miss this. Cut out this distance of about 1950 feet. Bids alip enclose with 5c to Foley & Co. will be received for both material 2835 Sheffield Ave., Chicago. Ill., and construction of bridge separate-writting your name and address by and together, and separate bid clearly. You will receive in return a trial package containing Foley's Honey and Tar Compound, for coughs, colds and croup. Foley's Kidney Pilhs and Foley's Cathartic of the County clerk, Court House. Tablets. Sold Everywhere—adv. Tablets. Sold Everywhere-adv.

#### MILL MEN ADD TO TOTAL FOR B. A. A. C.

The grand total at the Brooks-Scanlon mill in the Bend Amateur Athletic club debt fund drive mounted to \$1590 Wednesday, when new subscriptions amounting to \$103 were added. The list of donations is as follows:

D. G. Guild. W. E. Eberhardt ... 5.00 1.00 Freeman. Orgler.... 1.00 10.00 Knute Bjorge. 5.00 R. W. Baitson. 5.00 Otto Olson .... 1.00 L. J. Mathews 1.00 Andrew Moe. 24.00 B. C. Green. 24.00 O. J. Herbey..

#### \$4000 MILL BURNS: INSURANCE IS \$500

Plant Beyond Brickyard Entirely Destroyed by Flames Which Start from Unknown Cause.

Fire, the cause of which is unknown, started about 1 o'clock Saturday at the Orewiler mill beyond the brickyard, and resulted in the utter destruction of the plant, and in addition a small quantity of lumber piles nearby. Five hundred dollars in insurance was carried, the estimated value of the mill being \$4,000. The plant had a capacity of approximately 10,000 feet daily.

## LEGAL NOTICES

POUND NOTICE.

prevented by attention to proper period under as favorable conditions bin with the walls about six inches City of Bend has taken up the fol- Oregon.) as possible. This cooling may often thick and with ventilators in the lowing described livestock, to-wit: be done with convenience and sides, which when the days are warm One bay gelding, branded W bar economy by leaving the potatoes outfilly and one bay gelding, branded W left hind quarter; one sorrel of redeeming said livestock will be \$1.00 per day and cost of advertischarter of the City of Bend on the public auction to the highest bidder

Poundmaster.

NOTICE FOR PUBLICATION. Department of the Interior. U. S. LAND OFFICE at The Dalles, Oregon. October 18, 1919.

on December 18, 1909, made desert sion of light. Given mature, unin-jured tubers, the two factors most ample sized ventilators in the top. and particularly those in which rot-commonly responsible for near star. Willamette Meridian, has filed notice ous year should be thoroughly clean- of intention to make final desert land ed and disinfected before potatoes above described, before H. C. Ellis, Dated this 16th day of October. are again placed in storage in order U. S. Commissioner, at Bend Oregon

Claimant names as witnesses organisms already present and thus James R. Benham, of Deschutes, Oreto prevent widespread infection of gon; Ed M. Swalley, of Deschutes, the new crop. To accomplish this, Oregon; Oliver J. Hamlin, of Tumthe walls and floors may be thor- alo, Oregon; Roy C. Hamlin, of Tum-

> H. FRANK WOODCOCK, Register. 34-38p.

Sealed bids will be received by the County Court of Deschutes County, After being thus disinfected the oregon, up to 10 a.m. on Friday of the storage place should be well aired and dried out before potatoes are chutes River on the county road chutes River on the chutes River on t across the Marsh Awbrey homestead about three and one-half miles north of Tumalo, Oregon, and grading the Bend, Oregon. A deposit of five per cent of the amount of each bid in cash or certified check will be required of each bidder as provided

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The Court reserves the right to reject any or all bids and to call for new bids,

W. D. BARNES. County Judge. SETH STOOKEY, C. H. MILLER, County Commissioners

NOTICE FOR PUBLICATION. Department of the Interior. LAND OFFICE at Lakeview

Oregon October 13 1919. NOTICE is hereby given that Net-Shultz, of Lapine, Oregon, who, on March 9, 1916, made homestead of an issue of an iss lamette Meridian, has filed notice of Intention to make final threeyear proof, to establish claim to the Sell your poultry through Bulletin classified ads. land above described, before E. L. Clark, U. S. Commissioner, at Lapine. Oregon, on the 25th., day of November, 1919.

JAS. F. BURGESS. Register,

NOTICE OF SALE OF TIMBER ject any or all bids. LAND.

Notice is hereby given by the un-dersigned, the Administrator of the estate of John J. McGrath, deceased, that pursuant to an order of the County Court of Crook County, Ore on part of owner, said livestock gon, made and entered on the 6th will be sold as provided by the day of October, 1919, he will sell at at the front door of the County Court House in Bend, Deschutes County, Oregon, on the 14th day of November, 1919, at two o'clock p. m. all the right, title and interest of John J. McGrath, deceased, or his estate, in the following described premises, to-wit: Southwest quarter of Southeast quarter of section 1, South half of Northeast quarter, NOTICE is hereby given that Mary Northwest quarter of Northeast quar-Metcalf, assignee, of Florence A ter of section 12, in Township 20, Hunnell, of Portland, Oregon, who. South of Range 13, East of the Willamette Meridian in Deschutes County, Oregon.

Terms of sale, cash, 10 per cent to be paid on the day of sale and the balance upon the confirmation of sale by County Court of Crook

M. R. ELLIOTT, Administrator of the Estate of John J. McGrath. Deceased.

NOTICE OF BOND SALE.

Notice is hereby given that sealed bids will be received by the under-signed until the hour of 2 o'clock, p. m. on the 18th day of November, 1919, at the office of the undersigned, in the O'Kane Building, City Bend. Oregon, and ...immediately thereafter publicly opened by the Board of Directors of Squaw Creek. Irrigation District for the purchase of an issue of bonds of said District in the sum of \$15,900, said bonds to be dated July 1, 1919, and to mature

\$600 on July 1, 1924, \$700 on July 1, 1925, \$700 on July 1, 1925, \$800 on July 1, 1927, \$800 on July 1, 1928, \$800 on July 1, 1928, \$900 on July 1, 1930, \$900 on July 1, 1931, \$900 on July 1, 1931, \$900 on July 1, 1932, \$1000 on July 1, 1933, \$1000 on July 1, 1934, \$1000 on July 1, 1935, \$1200 on July 1, 1936, \$1200 on July 1, 1937. November, 1919.

Claimant names as witnesses: \$1200 on July 1, 1928, \$1200 on July W. E. Beesley, George Mayfield, Carl 1, 1939, said bonds to bear interest at 6 per cent payable semi-annually on the first days of January and on the first days of January and the first days of (Publish for five consecutive July, principal and interest payable at the Fiscal Agency of the State of Oregon.)

Said bids must be unconditional 24-28c and accompanied by a certified check for \$1500.

The board reserves the right to re-

H. H. De ARMOND,

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