



PIANOS ARRIVING FOR THE BIG ORKIN BROTHERS' CLUB SALE

From right to left: Rear of First National Bank, Orkin Brothers' store, office of Gray & Guthrie, Empress Theatre. Dray wagons of Dye & Owens

GOVERNMENT BULLETIN

Powdery Dry-Rot of the Potato Treated in Special Bulletin Just Issued

INTEREST TO POTATO GROWERS

We re-print herewith a bulletin just issued by the Department of Agriculture, which will be of much interest to potato growers both in this section of the potato growing country as well as the irrigated section.

Introduction

In recent years a new potato disease, which has been named the "powdery dry-rot," has come to the front. It has caused heavy losses in several western states from Minnesota to Washington and is a special menace to those irrigated districts where the potato is one of the main money crops and where the product must be shipped many hundreds of miles to reach a market. Several instances have recently occurred where carloads of potatoes were shipped

from the Northwest to Texas points and to Chicago. Leaving their point of origin in apparent good order they arrive at their destination badly decayed, were rejected by the purchasers, and had to be consigned to the dump. The cause of this rapid deterioration was the powdery dry-rot. Such experiences are exceedingly harmful to the reputation of a new potato district. Buyers will not erect warehouses or provide shipping facilities for a permanent trade, nor will they purchase for distant shipment save at the producers' risk. It is therefore imperative that the growers take every possible means to prevent the spread of this disease.

Description of Powdery Dry-Rot

This disease is an external dry-rot. It may start at any point on the outside of the tuber or gain entrance at the stem end. It starts most readily in wounded potatoes, but may spread to uninjured ones. The spots are wrinkled, discolored, and somewhat sunken, externally darker brown than the normal epidermis, internally sepia brown, with a dark, discolored layer next the sound flesh. In the later stages the

decayed portions become dry and powdery, with internal cavities filled with fungous mycelium.

The cause of powdery dry-rot is a newly described fungus, *Fusarium trichothecoides* Wollenw.

The disease is still too new and our experience too limited to permit positive statements relative to means of control, but the following advice is based on what is known of the life history of the causal fungus.

Possible Means of Control

CLEAN SEED.—The powdery dry-rot is a storage trouble and appears not to begin work till after the harvest. Yet there is evidence that land becomes infected through planting diseased seed potatoes and that this contagion is carried over until fall and communicated to the new crop. Consequently the most rigid inspection of the seed planted is advised. No potatoes with a trace of decay should go into the ground. All the seed stock should be disinfected by soaking for two hours in a solution of 1 pint of formaldehyde in 30 gallons of water. This will also kill the germs of potato scab.

ROTATION OF CROPS.—Rotation

is necessary for the permanent success of potato culture in any country, and particularly in irrigated districts. While it is possible to produce two or three successive crops on new land, it is unwise to attempt it on account of the disease factor. One potato crop in three years has been proved too short; a rotation in many districts. One in five may serve the purpose in our western states. If a field has produced potatoes affected by powdery dry-rot, it is especially desirable to rotate before planting potatoes there again.

THE STORAGE PROBLEM.—Most of all for the control of dry-rot is the method of handling the potatoes after digging and during storage, as it is probable here that the main fault lies.

Well-built storage cellars are a necessity from an economic standpoint, to enable the grower to await better prices and to properly assort and pack his crop. In such cellars, if properly built, ventilated and watched, the greatest immunity from decay may be insured.

These storage houses should be thoroughly cleaned at the end of the season, all old potatoes and debris carried out, and the walls and floors washed with a disinfectant like copper sulphate (blue vitriol), using a 1 per cent solution, or corrosive sublimate, using 2 ounces to 16 gallons of water.

The greatest losses that have been brought to our attention have occurred in that portion of the crop which was not put in storage or shipped direct from the field to the market, but held for some weeks after having been dug and sacked. Such potatoes, stored in sacks in large piles and subjected to variable and occasionally rather high temperatures, offer most favorable conditions for the development of the dry-rot fungus.

A. D. RODGERS

A. D. Rodgers came to western Nebraska in 1888 and to Alliance fourteen years ago. He has been engaged in the grocery business at Alliance ever since and has built up, by careful attention to business and fair treatment of his customers, flourishing established trade.

Mr. Rodgers is in the front rank when it comes to being a booster for Alliance. He holds the important position of president of the Alliance Commercial Club. He is one of the leading democrats of the county, being president of the Wilson-Marshall Club.

We are unloading another car each of Puritan and Peerless Flour. Last year we handled twelve cars of this Flour. Why? Because it gives satisfaction. Have you tried it yet?

Puritan Flour in 48 lb. sks. \$1.40
Puritan, in 24 lb. sacks .75
Peerless, in 48 lb. sacks \$1.40
Peerless, in 24 lb. sacks .75
Golden West, 48 lb. sacks \$1.30
Tip Top, 48 lb. sacks \$1.30
Delight, 48 lb. sacks \$1.20

We have a good line of Syrups. Log Cabin always leads in maple syrups

Log Cabin maple, gallon \$1.50
Log Cabin, one-half gallon .80
Log Cabin, one-fourth gal. .45
Wedding Breakfast syrup, gallons \$1.00
Wedding Breakfast syrup, one-half gallons .50
Wedding Breakfast syrup, one-fourth gallons .25
Ohio Maple Blend, gallon .75
White Swan, gallon .65
A. P. Sorghum, in cans .90
Missouri Pure Sorghum, per gallon .85

We sell more COFFEES

than any other store in town

A. B. C. Coffee, in one lb. cans .40
Martha Washington, 1-lb. cans .40
Wedding Breakfast, 1-lb. cans .35
Quality, in 2-lb. cans .70
Instant Coffee, in small cans .30
Instant Postum, small cans .30
Honest Abe Coffee, in pkg. .35
Emblem, in pkg. .35
Kept Fresh, in pkg. .30
Crown, in pkg. .30
Santos, in bulk .25

Our TEA line is fine

Imperial Tea, per lb. .60
Gold Lily tea, per lb. .60
Quality tea, per lb. .60
Riksha tea, per lb. .60
Wind Mill tea, per lb. .60
Liptons Tea, per lb. .80

We have a complete line of SALT FISH

Mackeral, bulk, at .10
Mackeral, pail 1.35
White Fish, pail, at .90
Shore Fish, pail .90
Herring, pail, at .90
Holland Herring, 1.00
Milkners, pail 1.25

Our stock of GARDEN SEED is certainly immense

Red and yellow onion sets, per quart 10c
White sets, per qt. 12½c
Winter sets, per qt. 15c
Multipliers, per qt. 15c

In SOAPS we have the largest line in town

Paloma, a good laundry soap, 7 bars for .25
Laundry Queen, white soap, 7 bars for .25
Diamond C soap, 6 bars .25
White Russian, 6 bars .25
All White soap, 5 bars .25

Bloaters, Halibut, Salmon, and boneless Herring are among our cured fish department.

Come and see our stock.

Yours,

A. D. Rodgers

Spring Time is Building Time

We have the material Just what you want

Quality and Prices Right

"Let us figure on your bill"

Your order, whether large or small, will receive our best attention

Dierks Lumber and Coal Co.

F. W. HARGARTEN, Mgr

Phone 22

Alliance, Nebraska



FIRST HOUSE IN ALLIANCE

Located a little north of where electric light plant now stands. Bachelor's Hall—occupied by Joe Bills



HOMESTEAD OF JOE BILLS

Eleven years later than other picture



From Omaha Trade Exhibit:

I have been a member of the Federation for the last six years but never had the pleasure to attend the annual meeting of the association until last March. It surprised me that so many merchants were

here and that such good ideas were advanced by the members. I tell you that no merchant, no matter how good he may be, will ever regret attending one of these meetings. When he attends one year, only sickness will keep him away from the next meeting.

I admit that I have one very bad fault and that is in extending too much credit. I think this is one of the many particular items to watch. Association work will make merchants mere like brothers, and we should be, we are putting the best part of our lives in our business, why not be sociable, swap our ideas on everything that is vital to the retailers? Every one of us knows how to figure for a profit, but every one of us doesn't know every dead beat until he is tried. There are not many merchants with enough money to find them all out and still continue business. So let us be as one on credits. This is the important measure that we must meet and watch very carefully.

Respectfully,

A. D. RODGERS.