

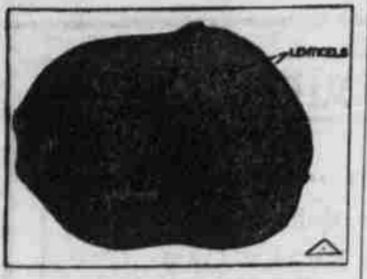
# Farm and Garden

## POTATO CHARACTER.

### Signs of Good Keeping and Good Cooking Quality.

The characteristics of potatoes as to keeping quality and general excellence become very apparent about this time of year and should be borne in mind when the question of seed for another crop comes up.

Potatoes of a corky appearance or touch are usually preferred to the smooth and clear skinned tubers. This appearance or touch is in some instances a variety characteristic, but to



TUBER SHOWING SKIN RUPTURES.

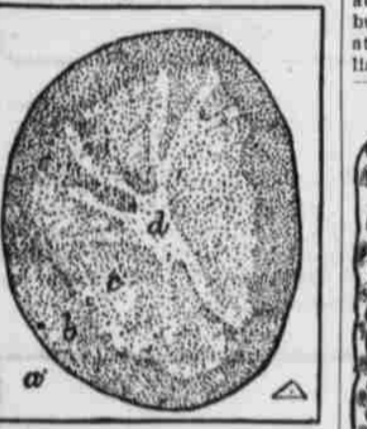
general it indicates a degree of maturity or development which promises good cooking quality. On the other hand, the potatoes of smooth and clear skin are oftentimes excessively watery or immature.

The presence of lentils—that is, bodies of cells which during growth enlarge and rupture the skin—is not objectionable, for they usually indicate normal growth and development in a healthy environment.

In an investigation of the quality of potatoes carried on by J. W. Gilmore at the New York Cornell experiment station parts considered in the physical examination were the surface or skin, the cortical layer or portion immediately under the skin and varying from 1 to 5 inch in thickness, the external medullary area—that is, the main starch part of the tuber—and the internal medullary area or central portion of the potato, which often branches into the external medullary area and is more or less translucent on account of its high moisture content.

As regards the skin, it was noted that uneven tubers with deep eyes were undesirable for market, while a netted skin indicated maturity and, as a general rule, good quality. A smooth skin indicated immaturity, and hence poor keeping quality and a tendency toward undesirable flavor. Scabby potatoes were often mealy and of good color, but undesirable from the market standpoint. Tubers which had grown in part exposed to the air were heavy and soggy when cooked and of poor color and undesirable flavor.

In general it was found that when the cortical layer is thick and dense the tubers are of poor quality, and this condition is an indication that they grew near the surface, where the temperature and moisture conditions were more variable than deeper in the soil. A uniform external medullary area indicates an even distribution of starch cells and of starch grains within the cell. When this layer is not uniform it is an indication that the starch cells are unevenly distributed and interspersed with watery areas. A large



TRANSVERSE SECTION OF POTATO. (A, skin; B, cortical layer; C, outer medullary layer; D, inner medullary layer.)

and branching internal medullary area indicates that there is a large proportion of the potato substance which does not contain enough starch grains to rupture the cell walls when the tuber is boiled, and hence a soggy rather than a starchy cooked product results. When the internal medullary area is small it is an indication of uniformity in the starch area and a small proportion of watery substance.

**A Bone and Muscle Maker.**  
While alfalfa is too rich a food for mature horses unless used in combination with some other roughness, it is an excellent feed for young horses, as it seems to contain just the elements necessary to develop bone, muscle and consequent size.

**Rapid changes of temperature are hard on the toughest constitution.**

The conductor passing from the heated inside of a trolley car to the icy temperature of the platform—the canvasser spending an hour or so in a heated building and then walking against a biting wind—know the difficulty of avoiding cold.

**Scott's Emulsion** strengthens the body so that it can better withstand the danger of cold from changes of temperature.

It will help you to avoid taking cold.

ALL DRUGGISTS: 50c. AND \$1.00.

## MARKETING STOCK.

**A Commission Man's Views For the Benefit of Producers.**  
By H. WOODS ROBINSON, Chicago.

Many a man is wearing patches on his pants who would be in good shape financially today were it not for the fact that he made the mistake of consigning his cattle to an irresponsible commission firm.

A man can hang out his shingle and go into the commission business with less money and less brains than any other business in the world, for there are always a lot of "suckers" who will patronize him.

Most commission men in the live stock business are honest, upright and O. K. financially, but "there are black sheep in all flocks" is an old saying and very true, so take the time to look up the commission man financially, and if you find him right then go ahead.

In handling live stock perhaps more than in any other line of business a man must be alive to the situation and ready to take advantage of every point which will aid him in making a success of the business.

In connection with this I am reminded of a story which is told of the old fashioned horse doctor who told his assistant to administer powdered brax to a horse by blowing it down his throat through a tube. Later, when the old doctor arrived on the scene, he found the assistant choking and spitting in an unseemly manner and on inquiry was informed that the horse blew first.

Equally so in the live stock business is misfortune apt to come to him who allows the other fellow to blow first.

**Don't Tie Up the Salesman.**  
One other vital point I wish to call your attention to. Don't put any strings on your commission man. If he who is on the market every day does not know more than you, when you do not go on the market more than three or four times a year—if he does not know how to handle it in every way to get you the "high dollar" and when to cut loose, he is not the man to ship to, for you pay him for knowing more than you do, and if he does not it is time to hunt another salesman.

Don't tell him to water your stock at 10 o'clock and have him miss all the best buyers who often get filled up by 9:30, for the buyers will not look at cattle that are not watered.

And then, again, don't, with a big "D," tell him not to sell your cattle for less than \$5 per hundred when they are worth only from \$3 to \$4.50 and thereby put yourself clean out of the running and be compelled to take the low price at the tail end of the market when they have lost their will.

**A Seed Supply.**  
It is remarkable how rapidly a supply of grain may be built up from a single four or five pound sample. Take, for example, a four pound sample of oats. This with ordinary care will usually produce on the average about four bushels. This sown the next season on two acres of land will, at a very moderate estimate, give 100 and sometimes upward of 200 bushels. Taking the lower figure as the basis for this calculation, the crop at the end of the second year would be sufficient to sow fifty acres, which at the same moderate computation would furnish 2,500 bushels as available for seed on one at the end of the third year.—Dr. William Saunders.

**ROBERTINE**  
A Fresh Complexion is preserved—and produced—by Robertine, a mild, delightful preparation, delicately fragrant. Makes the skin exquisitely soft, banishes cracked appearance caused by over-dryness, reduces the size of enlarged pores, cleanses them, reduces inflammation and spreads an even, radiant glow due to wholesome nourishment of skin glands and stimulation of the capillaries which also feed the skin and supply it with healthy color. Ask your Druggist for a free sample of ROBERTINE.

**COFFEE**  
Nothing does more for a grocer, one way or the other, than coffee. He must sell poor; (he needn't sell it to you) it is good that makes him.

Your grocer returns your money if you don't like Schilling's Best. We pay him

## Summons.

In the Circuit Court of the State of Oregon, Polk County, Department No. 2, James L. Hutchins, Plaintiff, v. Amy L. Hutchins, Defendant.

To Amy L. Hutchins, the above-named defendant. In the Name of the State of Oregon. You are hereby required to appear and answer the complaint filed against you in the above-entitled Court and suit within six weeks from the date of the first publication of this summons, to-wit: On or before the 22nd day of June, 1908; and if you fail to so answer, for want thereof the plaintiff will apply to said Court for a decree as prayed for in said complaint, viz: That said marriage contract now and heretofore existing between plaintiff and defendant be forever annulled and dissolved, that the future care and custody of James Clifford Hutchins and Ernest C. Hutchins, minor children of plaintiff and defendant, be awarded to plaintiff; and that plaintiff may have such other and further relief as to the Court may seem just and equitable.

This summons, by an order of the Hon. Ed. F. Coad, County Judge of Polk County, Oregon, made at Chambers at Dallas, Oregon, on the 7th day of May, 1908, is served upon you by the publication thereof not less than once a week for six consecutive weeks immediately prior to the 22nd day of June, 1908, in the "Polk County Observer," a weekly newspaper of general circulation and published at Dallas, Polk County, Oregon, the date of the first publication of this summons is May 8, 1908.

OSCAR HAYTER, Attorney for Plaintiff.

## Citation.

In the County Court of the State of Oregon, for Polk County.

In the matter of the estate of Fred C. Raymond, deceased. Citation.

To Nellie Raymond, widow, and Earl Raymond, Fern Raymond, one, Belle Raymond, one, Raymond and Ross Raymond, heirs of the said Fred C. Raymond, deceased, of the County of Polk, in the State of Oregon, you and each of you are hereby cited and required to appear in the County Court of the State of Oregon, in and for Polk County, at the Court Room, in the City of Dallas, in said County of Polk, on Tuesday, the 24th day of June, A. D. 1908, the issue being the first day of the June term of said Court, at the hour of ten o'clock in the forenoon of said day, then and there to show cause, if any exist, why an order should not be made by said Court that the real property of said estate heretofore described, or so much thereof as may be sufficient to satisfy the debts, claims and charges against the said estate, be sold by J. C. McWhirter, an administrator of said estate, and the claims against the said estate, as follows, to-wit:

Lot numbered Eight (8) and Nine (9) in Block "L" and Lots numbered Nine (9), Ten (10), Eleven (11) and Twelve (12) in Block "O", in Falls City, Polk County, State of Oregon.

Witness: The Hon. Ed. F. Coad, County Judge of the State of Oregon, for the County of Polk, with the seal of said Court, witness, this 21st day of April, A. D. 1908.

E. M. SMITH, Clerk of said County Court.

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Proprietors  
DALLAS, OREGON

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SWEENEY BROS.

THE ORIGINAL LAXATIVE COUGH SYRUP  
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**JUNE 1 to 6, '08**

Will be the most brilliant **Floral Fiesta** AND **Civic Jubilee**

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Portland, "The Rose City," will be a scene of splendor and the center of world-wide interest for one week

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General Passenger Agt. Portland, Or.

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**Fuller & Elliott**

Only Real Estate firm in Polk County handling Timber Land exclusively

Don't fail to call or write if you have timber to sell.

Office in Crider Building  
DALLAS, OREGON

**INDEPENDENCE & MONMOUTH Railway.**

FROM INDEPENDENCE.  
FOR DALLAS.  
Train No. 64. Leave Independence daily, 6:00 a. m.; 10:30 a. m.; 4:30 p. m.; 8:00 p. m.  
Train No. 65. Leave Independence, daily, 10:30 a. m.; 12:30 p. m.; 1:30 p. m.; 4:30 p. m.; 8:00 p. m.

FOR AIRLIE.  
Train No. 67. Leave Independence, daily, 7:30 a. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m.  
Train No. 71. Leave Independence, daily, 3:30 p. m.; 8:00 p. m.

FOR MONMOUTH ONLY.  
Leave Independence, daily, 2:30 p. m.  
No. 101 arrives Monmouth 7:30 a. m.

FOR INDEPENDENCE.  
Train No. 63. Leave Dallas, daily ex. Sunday, 8:00 a. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m.  
Train No. 101. Lv. Dallas, Sunday only, 6:30 a. m.; 12:30 p. m.

Train No. 69. Leave Dallas, daily, 1 p. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m. (This train connects at Monmouth for Airlie.)  
Train No. 71. Leave Dallas, daily, 7:35 p. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m.

FROM AIRLIE.  
Train No. 66. Leave Airlie, daily, 9 a. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m. (This train connects at Monmouth for Dallas.)  
Train No. 72. Leave Airlie, daily, 8:30 p. m.; 12:30 p. m.; 4:30 p. m.; 8:00 p. m.

Train No. 100 leaves Airlie 4:15 p. m. SUNDAY only; arrives Monmouth 8:30 p. m. arrives Independence 5:30 p. m.

FROM MONMOUTH ONLY.  
Leave Monmouth for Independence, daily at 2:30 p. m.

**How's This?**  
We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.  
F. J. CHENEY & CO., Props., Toledo, O.  
We the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.  
WERT & TAYLOR, Wholesale Druggists, Toledo, O.  
WALDRON, KIRWAN & MARVIN, Wholesale Druggists, Toledo, O.  
Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Postmaster: Send for free literature.  
Hall's Family Pills are the best.

**KILL THE COUGH AND CURE THE LUNGS**  
WITH **Dr. King's New Discovery**  
FOR COUGHS, COLDS, BRONCHITIS AND ALL THROAT AND LUNG TROUBLES.  
GUARANTEED SATISFACTORY OR MONEY REFUNDED.

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Is there a better way to keep the family longer at table, to keep it together?  
Your grocer returns your money if you don't like Schilling's Best. We pay him.

**FOLEY'S HONEY AND TAR**  
For children safe, sure. No opiates

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Don't Mistake the Cause of Your Trouble. Delay May Prove Fatal.

Does your back ache? Do you get up lame in the morning? Do you feel dull and tired? Do you feel lurching and over, to sit anything, to get up from a chair? Do you have swollen "cat-tails" or stitches of pain in the back? Does a dull, throbbing ache settle in the small of your back and bother you day and night? Do you sometimes feel that you that you simply cannot straighten up? You cannot make any mistake by treating the kidneys at once, for it is these small troubles that lead to dropsy, diabetes and Bright's disease. If these are any doubt in your mind that the kidneys are affected, notice the urine for a few days. If passages are irregular, painful or too scanty, discolored, or full of sediment, the kidney's need help right away, and there is no other medicine more helpful than Doan's Kidney Pills, a simple remedy for the kidneys, yet so powerful that it quickly cures the cause and so ends all the painful and annoying symptoms.

Home cures prove the merit of Doan's Kidney Pills. Any person wishing to see the testimony of his neighbors may do so by calling at BELT & CHERRINGTON'S drug store.  
For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States.  
Remember the name—Doan's—and no other.

**The Publisher's Claims Sustained**

UNITED STATES COURT OF CLAIMS  
The Publishers of Webster's International Dictionary allege that it "is, in fact, the popular Unabridged Dictionary, revised in every detail, and vastly enriched in every part, with the purpose of adapting it to meet the larger and severer requirements of another generation than the world has ever contained."  
We are of the opinion that this allegation most clearly and accurately describes the work that has been completed, and the result that has been reached. The Dictionary, as it now stands, has been thoroughly re-written in every part, and is admirably adapted to meet the larger and severer requirements of a generation which demands more of popular philological knowledge than any generation that the world has ever contained.  
It is perhaps needless to add that we refer to the dictionary in our judicial work as of the highest authority in accuracy of definition; and that in the future as in the past it will be the source of constant reference.

CHARLES C. MERRIAM, Chief Justice.  
LAWRENCE WELDON, JAMES BARKER, STANTON J. PEELE, CHARLES H. HOWELL.

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Even our Grandfathers knew what **BALLARD'S SNOW LINIMENT** will do.  
**A CONVINCING PROOF**  
of the worth of a medicine is the cures it can effect. Every one who has used Ballard's Snow Liniment knows that it will CURE RHEUMATISM, CUTS, SPRAINS, STIFF JOINTS, BURNS, NEURALGIA, CONTRACTED MUSCLES AND ALL PAINS.  
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V. L. Settle, Richmond, Mo., writes: "This is to certify that I have used your Snow Liniment for ten years for rheumatism, neuralgia, lamo back, etc., and in every case it has rendered immediate relief and satisfaction."  
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**The Publisher's Claims Sustained**  
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Cleanses the system thoroughly and clears sallow complexions of pimples and blotches. It is guaranteed.  
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