# THE LATEST NEWS OF VANCOUVER

## WOULD-BE SUICIDE PULLED ON BOARD

**Ward Goodrich Passes Up Life Buoy and Is then Ignominously Fished Out of River.**

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—Ward Goodrich, an old man residing north of this city, made a determined effort to commit suicide by drowning Saturday night. Had it not been for the fact that the Vancouver ferry was lying at her slip Goodrich would have succeeded in his effort.

After several days of heavy drinking Goodrich, it is believed, became temporarily insane. Walking down Washington street, he went to the temporary slip near the Vancouver ferry landing and jumped into the river. A member of the crew of the ferry quickly threw him a life buoy but he refused to grob it and floated under the wheel of the ferry. Realizing that the man was about to drown, Captain Brown of the steamer Metlako, who happened to be on the ferry, took the pike pole and hooking it into the clothing of the would-be suicide, succeeded in pulling him out.

Goodrich declared after being taken from the river that he meant business and wanted to die. Further than this he refused to talk. He was taken in charge by the police and after being given time to sober up, was sent home.

### Hotel Arrivals.

Vancouver, Wash., Feb. 3.—The following are registered at the Vancouver hotels:

St. Elmo—J. W. Fairchild, Tacoma; A. W. Perley, Olympia; F. A. Dodge, Yacolt; L. L. Germania, St. Paul; W. J. Hong, Yacolt; Adjutant Harrison and wife, Portland; M. S. Lee and wife, Lucia, Washington; W. L. Harrahan, Portland; F. S. Johnson, E. L. Farrens, Portland; F. C. Rippe, Tacoma; W. G. Hoenig, Tacoma.

Columbia—Oscar Dooley, La Grande; M. E. Conigan, Hebring, Minnesota; J. B. Erickson, C. D. Brown, Camas; E. D. McKee, Lehr, North Dakota; Paul Kenton, Gust Pearson, Buller; Mr. McMains, F. S. Osterberg, Norfolk; J. J. Jacobs, Portland.

### Alonzo Ward Dead.

Vancouver, Wash., Feb. 3.—Alonzo Ward, an old resident of this county, died Friday of heart failure at his home near Battle Ground. He had lived in Clarke county over 30 years. He was 58 years old. The funeral was held yesterday from the Battle Ground church. Interment was in Gravel Point cemetery.

**Our Large New**

Chapel free of charge. We make no charge for this when conducting funerals. Every convenience at hand. Phone 31.

**Vancouver Undertaking Co.**

10th and Columbia. Vancouver, Wash.

**Skates! Skates!**

A full line of skates at

**Youmans & Preston**

Eighth and Washington Streets.

The Vancouver office of The Journal is located at room 2, Commercial Bank building, Fifth and Main streets, phone Main 800, where subscriptions, complaints, advertisements and news will be received and promptly attented to. C. C. Gibson, agent.

## FIRST SNOWFALL OF THE SEASON

**Little More Than an Inch at Vancouver, but Heavier East—Little Ice in River.**

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—Vancouver and vicinity are experiencing the first snow of the season today. The flaky whiteness began falling before daylight and at noon it was slightly more than an inch thick. To the east and north a much heavier fall is reported.

While the temperature has risen somewhat from that of the past few days it is still below freezing. At 6 o'clock this morning the mercury registered 26 degrees above zero. Night before last was the coldest of the winter, 20 degrees above zero being registered at the Vancouver ferry at 6 a. m., Sunday. Old-timers declare conditions are right for a heavy snowfall. As yet there is little ice in the Columbia river.

### "Wife's Peril" at Hager's.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—"A Wife's Peril" at Hager's theatre was witnessed by large audiences yesterday afternoon and evening. It proved to be one of the biggest successes of the season. The new Lyric Stock company showed to advantage, there being also several individual hits. Miss Branscombe was good as the dashing widow, as was Miss Nelson as the young wife. Albert Welch as "Rivola" was well received and Herbert Ashton was in his element as "Gus." The same bill will be played tonight, Tuesday and Wednesday.

### Real Estate Transfers.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The following transfers of real estate were filed for record in the county auditor's office Saturday:

S. W. Thompson, F. A. Swan and Joseph P. Starkweather to Edgar M. Swan and Fred B. Swan, lot 4, block 1, Thompson's addition to Vancouver, $400.

Emma Hodgkiss to Robert Lavner, south half of lots 3 and 4, block 95, East Vancouver, $800.

J. M. Elskamps to Davidella Clarke, 160 acres in section 26, township 2 north, range 4 east, $10.

### Wants to be a Citizen.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.— Miss Beatrice Williams, a teacher of this county, has made application with the county clerk to become a citizen of the United States. Miss Williams is a native of Wales. She came to America in 1889 and has resided here continuously since then.

### Ladies' Aid to Give Supper.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The Ladies' Aid society of the Christian church will give a supper at Sohn's hall on the evening of February 22, from 5 to 8 o'clock. The aid society has a record for successful suppers and this year the members declare they will surpass any previous effort.

## POWDER THAWED MIGHTY QUICK

**Hundred Pounds of it Nine Miles from Vancouver Produces an Earthquake Effect.**

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The explosion of 100 pounds of powder at the quarry of the Columbia Contract company, nine miles east of here, Saturday night, led many people to believe an earthquake was in action. The powder exploded while being thawed out. No damage was done at the quarry. Luckily all the workmen were inside the tunnel or loss of life might have resulted.

## BEATTY WAS KILLED AT SAN FRANCISCO

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The body of William Beatty, who was killed at San Francisco January 22, arrived in Vancouver Saturday. The funeral was held this morning at 9 o'clock from St. James' cathedral and interment was in the Catholic cemetery.

Deceased was 26 years old. He was the brother of J. J. Beatty and Mrs. John Jensen of this city. While employed at wrecking the Hall of Justice at San Francisco he was struck by a falling timber and instantly killed.

### Suit to Recover Wages.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—For himself and 10 other employes, Lloyd Gabriel has brought suit in the superior court against E. C. Ward to recover wage money due. The total amount involved is $534.90.

Gabriel sets forth that he began work for Ward at his packing house in this city last October and continued in his employ until February 1. He claims there is still due him $42.80. The other claims range from a few dollars to $170. An attachment has been filed on prunes belonging to Ward now stored in a warehouse here.

### S. W. Brown's Will Probated.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The will of the late S. W. Brown, one of Vancouver's most prominent citizens, has been filed for probate in the superior court. It is short and to the point. E. L. Brown, son of the deceased, is named as administrator. To the widow $1,000 and a fourth of the entire estate are given. The balance goes to the son, E. L. Brown; provided, however, that the value of the estate does not reach $10,000. In this event the following will receive bequests: Rebecca A. Brown, a daughter-in-law, $100; Harriet M. Carpenter, a granddaughter; Francis R. Brown and Lloyd M. DuBois, $500 each. It is believed the estate is worth far more than $10,000.

### W. E. I. Men's Club Meeting.

(Special Dispatch to The Journal.)

Vancouver, Wash., Feb. 3.—The W. E. I. Men's club will meet at the Lutheran parsonage, 515 West Thirteenth street, tomorrow evening. Glenn Ranck will address the meeting on "Model History." Important matters are to come up for action and it is earnestly requested that every member be present.

Knapp Bros., undertakers. 108 West Eighth street, between Main and Washington. Phone 68.

# DAY'S NEWS OF EAST MULTNOMAH

## Farm Sales, Leases and Other Business Changes—Baseball Dope.

(Special Dispatch to The Journal.)

Fairview, Or., Feb. 3.—A. Buchel, who recently sold his farm near Washougal, Washington, has purchased of A. E. Ledbury of Columbia View, a farm on the Columbia slough. Mr. Buchel is fixing up the house and will move his family to the place the latter part of the week. He will engage in raising vegetables for the Portland market.

### Fairview Notes.

(Special Dispatch to The Journal.)

Fairview, Or., Feb. 3.—The Japanese boys who rented the Fitzgerald place have taken possession and are very busy fixing fences and plowing for the spring seeding.

Owing to business matters requiring her attention, Mrs. Mary Daniels of this place, will not be able to start for the east for about two weeks yet.

Mrs. Oscar Mallin of Curtis, spent Friday, Saturday and Sunday at St. Johns on business and pleasure.

Mr. and Mrs. Ed Spath and Mr. and Mrs. J. C. Stanley of Bruner were Portland visitors Saturday on business.

J. O. Downing of Curtis spent Sunday with O. H. Jenkins and family of this place.

### Business Change.

(Special Dispatch to The Journal.)

Fairview, Or., Feb. 3.—Thomas Howett, who has lived on the Stone farm for the past season, will soon move to Gresham, having bought the Wood meat market at that place. He will run a wagon through this portion of the county, much to the satisfaction of the public.

### Gresham High School Debate.

(Special Dispatch to The Journal.)

Gresham, Or., Feb. 3.—The Gresham High School Literary society met Friday afternoon to install new officers, but owing to sickness they had nothing in the way of program, excepting a debate on the question, "Resolved, That the Government Should Own and Control the Railroads." The affirmative, taken by Mark Emery and Susie Stanley, won. The negative was taken by Florence Fieldhousn and Harold Wilson.

### Baseball at Gresham.

(Special Dispatch to The Journal.)

Gresham, Or., Feb. 3.—The high school boys since quitting football have steadily been practicing baseball in two teams. In the spring they will select a nine and will be able to play any of the East Multnomah teams.

## THE MUSCOVY DUCK.

Joseph E. Wing in Breeders' Gazette.

Many farmers' wives are prejudiced against ducks and with some reason. Ducks are usually noisy, waddling, voracious birds and somewhat unclean in their habits. We grow Muscovies, and they also have their faults, yet it seems to me they are worth considering by such farm folk as have water for them. I think they need water, and would probably go to seek it if it was not near by.

The Muscovy is a very large duck, black and white, a beautiful fowl in plumage. It grows to be almost as heavy as a turkey and we think has a similar quality of flesh. Muscovies never quack, they are almost silent. They are of a half-wild disposition, yet easily managed when it is desired to handle them. At certain times of year they fly almost like wild ducks, though we have never known them to leave home. We like them because they are so little trouble. Having a little lake near the house, they stay down there nearly the whole year through and we only trouble ourselves with them when they bring off broods of little ducks. Then we must shut up the mothers for a few weeks and feed the young ducks or else the turtles will devour them. As soon as we let them go, when about a quarter grown, they are off and thereafter care for themselves. In winter they glean corn in the feedlots and get very fat.

I do not know how often they lay, but they usually bring off two or three broods of ducklings of about 12 in a brood, sometimes more. Ours nearly always steal their nests and manage their own sittings.

Since the turkey diseases have so multiplied it occurs to me that for home consumption at least the Muscovy duck might prove a pretty fair substitute and no fowl seems easier grown. We have, in fact, never seen the least delicacy or disease among them. The young ducklings are little beauties, and as quick and lively as crickets. They are very energetic hunters for insects of almost all sorts. We feed them cracked corn principally and do not remember that ever one died. It is better for Muscovies to live apart from chickens, since the old ducks are somewhat tyrannical in their nature. Muscovies when crossed with common ducks produce hybrids incapable of breeding. They are said to come from Argentina.

## POULTRY FOR PROFIT.

By J. J. Tweed, Salem, Oregon.

The farmer should keep pure bred poultry and a good laying variety. This can be done by purchasing from breeders of pure bred stock, buying either the fowls or the eggs.

Laying hens should be fed sparingly during the day so that they will be kept busy scratching for their food. Give them a generous feed for supper which should be given early enough so that they can get what they want to eat before going to roost. Scatter grain sufficiently so that they can get all they want. Clover is a good egg producer and it should always be sown in the poultry range. In winter provide fowls with green feed once a day. All kinds of vegetables are good. Meats and all kinds of table scraps are also relished. Keep plenty of clean, fresh drinking water for them at all times. They require a good supply of gravel and other kinds of grit where they can get at it, as this is their means of mastication, which insures good digestion and perfect assimilation of the food. Always be regular in feeding, keep poultry houses clean, well ventilated and made as light and pleasant as possible. Do not forget to keep poultry and roosts free from vermin. Hatch chickens in May and June, so that they will begin laying early in the winter when eggs command the highest price. Always breed from perfect fowls, culling out the defective and old ones.

### Woman Policeman.

From the Young Woman.

Norway has the distinction of possessing the only genuine "woman policeman," duly commissioned, regularly patrolling a post.

She is Miss Nigiren, is scarcely out of her teens, to judge by her looks, and does not give the impression of being very athletic, though she is by no means frail. Her station is on the island of Noakim, where she owns a small farm.

Her duty is to guard the government's agricultural experiment station, drill grounds and quarry, and especially to see that excursionists commit no depredations.

BUY DENNY DULIN—IT'S GOOD—10 CENTS. At 308 Wells-Fargo Building.

# CLACKAMAS COUNTY AND VICINITY

## DEATH'S STROKE MADE DOUBLY SAD

**Miss Delma Rittenhouse Succumbs While Family Quarantined for Smallpox.**

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—Miss Delma Rittenhouse, daughter of Mr. and Mrs. J. A. Rittenhouse, died at the home of her parents at Clackamas heights this morning shortly after midnight from an internal disorder, aged 27 years. At present some of the members of the family are suffering with smallpox and the home is quarantined. Besides her parents, four brothers and two sisters, ranging from 15 to 30 years of age, survive her. Her funeral will be held today under the supervision of the quarantine officers.

## SOCIALIST PROGRAM IS HOUSE-TO-HOUSE

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—The Clackamas County Socialist Local met yesterday afternoon at Knapp's hall. Many outlying districts of the county were represented. The question of a county convention and the placing of a full county ticket in the field was warmly discussed and it was decided that action would be deferred until the meeting in March. It was decided to begin a campaign of organization by a house-to-house canvass in the outlying school districts.

### Real Estate Transfers.

Oregon City, Feb. 3.—The following transfers of real estate were yesterday filed for record:

E. S. Levi et ux., to J. W. Grasle, lots 1 to 12, block 43, lots 7 to 12, block 44, lots 1 to 6, block 45; lots 1 to 14, block 46, lots 2 and 4, block 33, Milwaukie Heights, $2,500.

Estele Bellinger et vir. to T. L. Charman, trustee, blocks 1, 21, A and B, Gladstone, $925.

John Straus et ux. to W. A. Proctor, southwest ¼ of southeast ¼ section 13, township 2 south, range 4 east, 40 acres, $1.

Dan Heriby to same, tract along line of O. & C. R. R., 40 acres, $800.

W. O. Buffington et ux. to Kenneth Lauterbach, tract adjoining Milwaukie townsite, 5 acres, $250.

J. W. Roots et ux. to W. A. Proctor, lots 2 and 3, tract 20, Boring, $260.

Myrtle Tooze lots 6, 7, 14 and 15, block 16, Gladstone, $1,800.

Elisha Kilduff to Gabriella Baker, lots 12 and 13, block 2, Edgewood, $35.

The Oregon City office of The Journal is located at Howell & Jones' drug store, phone Main 781, where A. M. Sinnott, the agent, will attend promptly to subscriptions, complaints and advertisements. News items left or phoned there will be appreciated and receive prompt attention.

## JOHN BOYLAN DIES ALMOST CENTENARIAN

**Born in Ireland in 1812 and Came to Oregon in 1882—Six Children Survive Him.**

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—John Boylan, an aged and well-known resident of this city, died at the residence of his granddaughter, Mrs. W. C. Green, yesterday afternoon. Mr. Boylan was born in Ireland in 1812, and came to Oregon in 1882. Six children, Mmes. J. A. Stewart of Seaside, Washington, S. Surfus and A. O. Aldredge of Oregon City, daughters, and George Boylan of Cathlamet, Washington, Asa Boylan of Portland, and Thomas Boylan of Elberta, Washington, sons, survive him. His son George A. and daughter, Mrs. Stewart, were at his bedside at the time of his death. Funeral services will be held from the residence of Mrs. Green tomorrow at 10 o'clock a. m.

## BURIAL OF HONORED WILLAMETTE CITIZEN

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—The funeral of the late C. A. Wright of Willamette was held from St. Paul's Episcopal church, yesterday afternoon, Rev. T. M. Bowen officiating. The funeral was largely attended and the floral offerings were numerous and beautiful. His remains were consigned to earth in Mountain View cemetery.

### Saloon Fire Soon Quenched.

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—A fire broke out early yesterday morning in the Hub saloon building, destroying a portion of the roof, but was checked and extinguished before it had made any headway, and a conflagration on that portion of Main street was fortunately prevented.

### Marriage Licenses.

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—Marriage licenses were issued Saturday to N. O. Howard and Josie Howland, and Andrew Moody and Kittie Ralliston.

## LINE FENCE MADE ALL THE TROUBLE

**J. D. Ritter Begins Action Against Samuel Wolfer on Account of Disputed Strip of Land.**

(Special Dispatch to The Journal.)

Oregon City, Feb. 3.—J. D. Ritter commenced a suit Saturday in the circuit court against Samuel Wolfer and Sheriff Beatie, alleging by his attorney, J. U. Campbell, that on December 15, 1881, John Wolfer and Samuel Wolfer, with others, were tenants in common of a tract of 72.89 acres in the James Shiveley donation land claim, No. 45, in this county, and that the same was quitclaimed to John Wolfer. The defendant, Samuel Wolfer, whose land adjoined this tract, built a fence between the two tracts, but by mistake the fence was built on John Wolfer's land, 62 links east of the true division line, which was not discovered until 1887, when an agreement was made between the owners of the tracts that the fence might remain so until a survey was made and the boundary line established, and that Samuel Wolfer should make no claim to any land beyond the fixed boundary line. In September, 1905, John H. Wolfer, successor in interest to John Wolfer, had the tract surveyed and the division line located, the defendant, Samuel Wolfer, admitting that his land did not reach up to the fence.

Ritter, relying on this statement, purchased the John Wolfer tract, including the strip between the boundary line and the fence and built a fence on the true line and made improvements on the strip, the defendant, Samuel Wolfer, consenting to it. In February, 1908, Samuel Wolfer commenced an action in ejectment against Ritter for the strip in question, and Ritter, having no defense at law, was prohibited from setting up an equitable defense, and judgment for possession of the strip was given to Wolfer and costs of suit, $36, were taxed against Ritter.

In his complaint he asks that he be declared the owner in equity of the tract and that Sheriff Beatie be enjoined from levying any execution on the premises, and that Wolfer be restrained from taking possession of the strip.

The Journal, daily 45c a month, daily and Sunday 65c a month; delivered anywhere in Oregon City.

William J. Bryan will make another short trip to the south the latter part of this month. He has already accepted an invitation to speak in Nashville and it is expected that he will also be heard in Chattanooga and one or two other places.

## CONDITIONS LIMITING FRUIT GROWING

**Written With Especial Reference to Washington and Applies With Equal Force to Oregon.**

By Professor W. S. Thornber, horticulturist, Washington State college.

**Altitude.**

Spitzenberg apples will not do well in an altitude exceeding 2,200 feet. They do well in the Yakima and Hood River valleys. The Albemarle, the Yellow Newtons and the Pippin are also low altitude apples. This difference in habit is due to the fact that the apples tend to preserve the characteristics taken on by them in the climate and soil where they originated. Different races of people require different climatic conditions in which to thrive, and the same is true of apples.

**Moisture.**

The difference in the moisture of eastern and western Washington makes a decided difference in the varieties of apples that can be grown in these localities. Gravensteins and Rhode Island Greenings do well on the west side, and it is a matter of significance that the best Gravensteins in the world come from Nova Scotia. It is probable that there is a great future for Gravenstein apples on the west side. Rhode Island Greenings do fairly well on the east side, but ordinarily they are little fellows, hard, and not much good. The Northern Spy, and the Olympia Baldwin are not mentioned east of the Cascade mountains.

**Soil.**

Soil can be changed so materially in composition that it is not an all important factor in the growing of apples, but it is essential that it be deep enough to allow a good foothold. Trees grown in localities where there is only a couple or three feet of soil underlaid with a stratum of hardpan, will thrive for a couple of years, and then dwindle away for want of root space. Most of our northwestern soils contain plenty of plant food, the question more often being one of moisture. We usually say that any soil that produces wheat will produce apples.

**Parasites.**

A much discussed point is whether parastic destroyers are more numerous now than 50 years ago. In general, it may be said that they are. For instance, the San Jose scale is not a native of the United States, but we believe came from China, or Japan. The codling moth, however, is native to the United States. The early colonial settlers, in chopping down the Atlantic and Prairie crabapples that were growing wild, destroyed the natural habitat of the codling moth, and the insect, in seeking another place to live, naturally settled on the apple trees which the pioneers set out where they had chopped down the wild woods. Since then the moth has become a universal destroyer. In this way, by developing the natural resources of the country, we have forced insects, formerly not regarded as pests, to change their manner of living, and they have become annoying. In many cases we have brought pests from foreign countries, but have failed to bring the old-country method of destroying them by natural means.

**Birds.**

It is a much contested point whether birds are beneficial to orchardists. When we see robins take $50 worth of cherries from a single tree, it is natural that we sympathize with the owner of the tree whose livelihood depends upon the produce of his orchard. On the other hand, birds destroy many insects, but the insects which they like best are not especially destructive to fruit, and it is entirely possible to keep down nearly all insect pests by judicious spraying. Birds, insects and divers other vermin are carried from country to country through the channels of commerce, where they develop into pests to an extent unheard of in their natural habitat. For instance, Belgian hares have been taken to Australia, and are now so numerous that regularly organized drives are necessary to keep them down. Likewise the English sparrow has been brought into the United States, and not long ago a colony of them was discovered near Spokane.

**Pear Blight.**

In Washington, pear blight is the only serious parasitic determinant we have had to deal with. In the experimental farm orchard, we will this year be obliged to cut down many of our most prominent varieties of pears, for removing the trees is the most decisive way of dealing with this pest. However, if the orchardist is able to keep the pest from the young trees, they are less apt to be stricken when they reach maturity. The blight is brought to trees by insects coming from trees that are so diseased, and its first traces are shown in the shoots that produce the blossoms. Go through the orchard in the winter, and scrub the trees with a lye solution, and the chances are that you will discover the tell-tale black, or canker, spots on the blighted trees. Cut this out, wash the stem with Bordeaux mixture, and you will eradicate the disease, but if the blight gets over the entire tree, you may as well cut it down. Pear blight is in the sap of the tree, and is therefore the hardest of all pests to destroy.

**Site.**

A south slope will give a choice color to fruit, and a shape different from that found on north slopes. The question of slope, or "exposure," varies somewhat with the kind of fruit grown, but for winter apples, a western, or a northern slope is best. A northeast slope is the best of any, however, for it makes the fruit later, and furnishes better shelter from wind. Always use a northeast slope, if you can possibly get it. The southern and eastern exposures are subject to more wind, and trees grown on these slopes dry up more rapidly. In the Pacific northwest, exposure and site are to be looked out for, more than anything else.

**Bodies of Water.**

Water absorbs heat during the day, and radiates it at night; that is, there being warm air over the water at night, a vacuum is created, and the cool air on the land moves toward the water. In the daytime, the converse is true; the air on the water is cooler than on the land, hence the cool air moves toward the land. In this way a body of water may assist in preventing frost. The regions bordering the shores of lakes Seneca and Cayuga, New York, are the best grape-growing regions in the world, due to the fact that the air moves at night out to the land without having to spread over high, precipitous banks. In case of a precipitous bank, the warm currents of air will be thrown upward in passing off of the water onto the land, and since such moving air settles back to the ground gradually, a space will be left right near the lake, which will be "skipped over" by the warm air. Hence, in choosing a location near a body of water, always see that the slope to the water's edge is gradual.

## QUESTIONS AND ANSWERS

**Questions Answered Relative to Lime on Soil—"Muck Soil" —Caustic Soda.**

Washington States college. Answers by Professor R. W. Thatcher. Query—From Olympia, Washington, relating to the use of lime on the soil of that region.

Answer—You will find that air slaked lime is the best form to use on your soil. Two years ago, air-slaked lime in excellent condition for fertilizing purposes was offered by west side dealers at 50 cents per barrel, which I consider very cheap indeed. A full application of lime will usually keep the soil alkaline for about five years, after which small applications of two or three hundred pounds per acre may be needed every year or so.

Question—Relative to the "bottom land muck soil," which is very common in western Washington.

Answer—These soils are invariably sour, and deficient in potash. Also, sometimes they lack phosphoric acid. They might grow onions or other vegetables for a year or so after they are first brought into cultivation, but will soon fail to produce satisfactory vegetable crops, unless they are fertilized with potash fertilizers. They cannot be improved very materially by the application of air-slaked lime in large amount. The exact amount of lime needed by any given sample of soil can be determined only by an analysis, for which at least one pound of soil is necessary. More reliable results can be obtained if 10 or 20 pounds are available.

Question—What would you say about the value of green sea-grass as a fertilizer, and should the material be rotted before being used?

Answer—Green sea-grass has but a comparatively small value as a fertilizer. Just how valuable it is could be determined only by an analysis. There would be no necessity for rotting this material before spreading it on the soil. It would be a good plan to pile it up and let the winter rains wash the brine out of it before spreading it on the land.

Question—What can you tell me of the fertilizing value of caustic soda?

Answer—Caustic soda has no value at all as a fertilizer. It is a very strong alkali, and, as such, would be very injurious to many soils. It is so strong an alkali that it can hardly be used with safety. The large percentage of potash it contains is very valuable as a fertilizer for fruit trees in western Washington. You could use small quatities of this without serious injury, but you would have to be careful not to get a large amount of it in one place near a tree, for it would kill the tree.

## TO KEEP APPLE TREES FROM SPLITTING

By R. C. Brown, Roseburg, Oregon.

As there seems to be more or less trouble to the orchardist to prevent his apple trees from splitting by overloading and as there has been a number of devices patented and put upon the market to prevent or overcome this trouble, I will, through the columns of The Journal, give my plan:

While the tree is young and is making a vigorous wood growth and the head is being shaped, if you will select shoots on the inside of opposite branches and carefully twist them together, just enough to insure that the twigs will not slip upon each other, in two years you will have a living bolt securely holding the tree. The ends of the twisted limbs may be cut off. In my young orchard in West Roseburg I have scores of these living bolts.

The four special days this month are Lincoln's Birthday, Washington's Birthday, Valentine's Day and February 29—Leap Year Day.

But they will all be special days in our store.

Today 200 Overcoats with $5 to $10 cut off the price.

**LION CLOTHING CO**

Gus Kuhn Prop'

166-168 THIRD ST.

# Laugh, and the World Laughs With You

**By T. E. Powers**

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