

## The Stayton Mail

E. D. ALEXANDER, Publisher.

Entered at the post-office at Stayton, Oregon, as mail matter of the second class.

### BUSINESS DIRECTORY.

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#### DENTIST

Office over Fred Rock's Store.

STAYTON, OREGON.

J. A. RICHARDS,

General Auctioneer

Prepared to cry sales in Marion and adjoining counties. Terms reasonable. Satisfaction Guaranteed.

MEHAMA, OREGON.

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#### Barber Shop Bath Room

Does a general barbering business. First-class bath room in connection. All work guaranteed strictly first-class in every particular. Transient custom solicited. Customary prices.

STAYTON, OREGON.

JOHN HENKEL,

Merchant - Tailor

STAYTON, OREGON.

I have on hand a full line of samples for Spring and Summer Suits. Repairing and cleaning a specialty.

F. SILHAVY'S

Wagon and  
Paint Shop

Repairing and Painting Wagons, Buggies, Etc., a specialty. New wagons, hacks, and buggies made to order. First-class work guaranteed.

Water Street, Stayton, Ore.

## Electric Lights

Are Good Lights.

Are You Using Them?

Stayton Electric Light Co.  
Phone 21.

W. E. THOMAS

#### Undertaker Embalmer

Good Assortment of Caskets and Cases.

Personal attention given to funerals when desired. Embalming after latest methods. No extra charge for dressing corpse. Lady attendant when required. A first-class hearse at a moderate charge.

Burial Robes, Shoes, Gloves and Hosiery Furnished.

Telegraph or telephone at my expense.

W. E. THOMAS, STAYTON, ORE.

## Pioneer White Lead

Is absolutely PURE and will OUTWEAR all other Leads.

If your local dealer don't carry it write to us and we will see that you get it.

W. P. FULLER & CO.  
PORTLAND, ORE.

## WATER PURIFICATION.

A Safe and Efficient Destroyer of Algae and Typhoid Germs.

By B. BENJAMIN, Jr.

Washington.—Aside from water pollution due to germs which give rise to typhoid and other serious diseases, scientists recognize water contamination which, without being dangerous to health, renders the water offensive in odor and taste and unfit for use. In many cases troubles in water supplies are produced by algae, or vegetable growths, and not by injurious bacteria. Such annoyance in connection with water supplies is widespread. Among the complaints oftenest heard are that the water has a fishy taste and odor; that it tastes and smells like rotten wood; that the water is muddy; that there is believed to be some decomposing animal body in it or dead fish. Sometimes water so affected becomes so repulsive that neither horses nor dogs will drink it. In some cases water will be very foul for six to eight weeks during the hottest part of summer. In others the special period of rank odor and taste may occur during the autumn. In others still it is a mud all the year matter. The necessity of finding some cheap method of preventing or removing algae contamination of cress beds first led the bureau of plant industry to investigate methods of securing purification of water.

Dr. Moore and Mr. Kellerman, who have been engaged in this research, have found that it is entirely practicable to cheaply and quickly destroy objectionable algae in small lakes, ponds, storage reservoirs and other similar bodies of water by the use of extremely dilute solutions of copper sulphate or of metallic copper. The fact that an extremely dilute solution (1 to 100,000) will also destroy the most virulent typhoid and cholera bacteria at ordinary temperatures in three hours is of great importance and significance. Solutions of copper as dilute as this are not considered injurious to man or other animals. It is stated by these investigators, however, in the report upon their work, that the use of copper sulphate for the prevention of disease is regarded as incidental and is not designed in any way to supplant efficient preventive measures now in use. It is believed, however, that up to this time no such satisfactory means of thoroughly, rapidly and cheaply sterilizing a reservoir have been known, since the copper sulphate is fatal to pathogenic forms peculiar to water, while beneficial bacteria are not affected by it.

It is unfortunate for the general public that these authorities find it necessary to emphasize the statement that "no rule for determining the amount of copper sulphate to be added can be given. Each body of water must be treated in the light of its special conditions."

Definite knowledge in regard to what organisms are present, the constitution of the water, its temperature and other important facts are considered necessary before it is possible to determine the proper amount of copper sulphate to be added. A microscopical examination thus becomes as important as a bacteriological or chemical analysis.

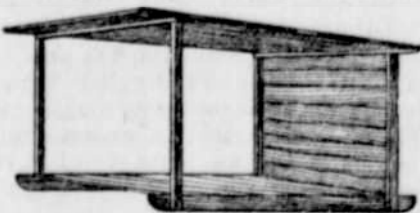
It is stated that the cost of material for exterminating algae will not exceed 50 to 60 cents per million gallons and will usually be less. The destruction of pathogenic bacteria requires an expenditure of from \$5 to \$8 per million gallons, not including the cost of labor.

#### The Trolley Carries Farm Produce.

Rockford, Ill.—Farmers in northeastern Illinois and the adjoining section in Wisconsin are making use of the electric roads to ship live stock, butter and eggs, vegetables and other products direct from their own farms to the Chicago market. They have side-tracks on which to load cars, and these cars are then run on to the main lines and through to destination. It is claimed that this is much cheaper than driving to market with teams. Rockford also is the center of several inter-urban lines, and trolley transportation for farm produce has become very popular among the farmers this season. In the pressure of farm work and scarcity of help it is a saving of the time and labor of men and teams and in other ways a great convenience for farmers to take themselves and their produce to town in this expeditious and easy fashion. As a consequence, the building up of the farm trade in this and other places which are trolley centers is evident.

#### Summer Shed For Live Stock.

The accompanying illustration, occurring in Orange Judd Farmer, shows a cheap shed for live stock to be used in lots during the very hot summer weather. It is constructed on runners, so that it can be moved from one lot to another without any trouble. The illustration is not correct in that the shed is floored. This of course can be



CHEAP SUMMER SHADE.

done and in some cases may be desirable, but ordinary earth is the best bottom for anything of this kind.

The shed is six feet high at the enclosed end and seven feet at the door end. It was made of ordinary boards. The runners are 2 by 6's, the cross-pieces 2 by 4's and the uprights 2 by 4's. The roof is ordinary one foot boards, with battens, and the rear the same. The shed should be placed so that the rear points toward the south. This furnishes much relief to animals during the heat of the day.

## ENTERTAINING IN DARKNESS

Novel Idea in Dinner Parties That Comes From Switzerland.

The very latest idea in entertaining halls not from across the Atlantic, but from Paris and smart Swiss towns where the season recently began, where the thing now is to entertain your guests, if not entirely in the dark, at any rate in darkness or semidarkness, all the time, says the London Mail.

At a dinner party the hors d'oeuvres and soup are served as usual in a brilliantly lighted apartment, and then, to the consternation of people who are new to the idea, the light goes out. Then the door opens and the servants come in carrying brilliantly illuminated dishes containing the fish, and, as each guest takes his or her portion, they help themselves to a light at the same time, and when every one is served the effect is fairylike. Suppose the fish contains lobster in some form or other, the electric light shade is in the shape of the head of the lobster and sheds a delightful red glow over the table.

The most ingenuity, however, is shown when the ices are served. Generally a huge bird or beast, basket or cornucopia made of ice is wheeled into the room, blazing with lights and filled with ices. When each guest is served the light goes out, and only those on the plates illuminate the room. When strawberry ices are served the shades take either the form of the berry itself in crimson or the pure white blossom. These are given alternately to the guests and have the prettiest effect.

At a big Swiss hotel the ice is served in this way every evening. A favorite design is a Swiss chalet. This is wheeled in brilliantly illuminated. In each apartment are two lights and two ices, and when every one is helped the twinkling lights die away and the chalet disappears on its invisible wheeled table.

Another popular way of serving the ice is the polar scene. Blocks of glass represent the icebergs and the electric light is swathed in cold looking blue, while the snow is made of white ice cream. Sometimes a few white china animals are placed in niches in the glass to give greater effect.

#### An Obstinate Family.

Cholmondeley—I thought you intended to marry Miss Wealthington? Dolmondley—I thought so, too; but her family objected. Cholmondeley—What did Miss Wealthington say? Dolmondley—Oh, she's one of the family, you know.

#### Cured of Chronic Diarrhoea After Ten Years of Suffering.

"I wish to say a few words in praise of Chamberlain's Colic, Cholera and Diarrhoea Remedy," says Mrs. Mattie Burge, of Martinsville, Va. "I suffered from chronic diarrhoea for ten years and during that time tried various medicines without obtaining any permanent relief. Last summer one of my children was taken with cholera morbus, and I procured a bottle of this remedy. Only two doses were required to give her entire relief. I then decided to try the medicine myself and did not use all of one bottle before I was well and I have never since been troubled with that complaint. One cannot say too much in favor of that wonderful medicine." This remedy is for sale by Brewer Drug Co.

#### Good Advice.

"He said he would lay the world at my feet," said the impressionable girl.

"Tell him to start with something easy," answered Miss Cayenne. "Tell him to look after the house rent and the grocer bill and never mind the world for a few years yet."—Washington Star.

#### Weak Hearts

Are caused by indigestion. If you eat a little too much, or if you are subject to attacks of indigestion, the stomach expands—swells and puffs up against the heart. This crowds the heart and shortens the breath. Rapid heart beats and heart disease is the final result. Kodol Dyspepsia Cure digests what you eat, takes the strain of the heart, cures indigestion, dyspepsia, sour stomach, and contributes nourishment, strength and health to every organ of the body. Sold by Brewer Drug Co.

#### An Ideal Touch.



Young Wife—How do you like my touch now since I've been studying with the new professor?

Hubby—I think the professor's touch is the best. He got \$200 out of me for your lessons last week.

#### Safeguard the Children.

Notwithstanding all that is done by boards of health and charitably inclined persons, the death rate among small children is very high during the hot weather of the summer months in the large cities. There is not probably one case of bowel complaint in a hundred, however, that could not be cured by the timely use of Chamberlain's Colic, Cholera and Diarrhoea Remedy. For sale by Brewer Drug Co.

#### Reciprocity.

She—But if you say you can't bear the girl, why ever did you propose? He—Well, her people have always been awfully good to me, and it's the only way I could return their hospitality.—Punch.

The pill that will, will fill the bill, Without a gripe,  
To cleanse the liver, without a quiver,  
Take one at night.

DeWitt's Little Early Risers are small easy to take, easy and gentle in effect, yet they are so certain in results that no one who uses them is disappointed. For quick relief from biliousness, sick headache, torpid liver, jaundice, dizziness and all troubles arising from an inactive, sluggish liver, Early Risers are unequalled. Sold by Brewer Drug Company.

#### Just Like a Goose.

"I say, do you believe that story of the goose laying a golden egg?"  
"Well, it would be just like a goose to do such a foolish thing."—Chums.

#### Chamberlain's Colic, Cholera and Diarrhoea Remedy

This remedy is certain to be needed in almost every home before the summer is over. It can always be depended upon even in the most severe and dangerous cases. It is especially valuable for summer disorders in children. It is pleasant to take and never fails to give prompt relief. Why not buy it now? It may save life. For sale by Brewer Drug Co.

#### How to Hold Actors.

"It always makes me mad to talk to an actor. He pretends to listen politely, but his attention is wandering all the time. Ever notice it?"  
"No; I always talk to them about themselves."—Philadelphia Ledger.

#### Working Night and Day.

The busiest and mightiest little thing that ever was made is Dr. King's New Life Pills. These pills change weakness to strength, listlessness into energy, brain-fog into mental power. They're wonderful in building up the health. Only 25c per box. Sold by all druggists.

#### Notice of Guardian's Sale.

Notice is hereby given that in pursuance of an order of sale made and entered by the County Court of the State of Oregon for Marion County, on the 30th day of June, A. D. 1904, in the matter of the estate of Olive E. Shanks, George W. Shanks, and Jay J. Shanks, minors, the undersigned guardian of the estate of said minors, will sell at public auction subject to confirmation by said Court, all the interest of said minors in the following described real property, to-wit: Lots Nos. One [1] and Two [2] in Block No. Ten [10] in Turner's addition to the Town of Turner, Marion county, Oregon, as designated on the recorded plat thereof. Said sale will be made on the 30th day of July, A. D. 1904, at 10 o'clock A. M. on the above described premises in the Town of Turner, Marion county, Oregon.  
Terms of sale, cash on the day of sale, to be returned to the bidder in case sale should not be confirmed by the County Court.  
CARRIE J. FREEMAN,  
Guardian of the estate of Olive E. Shanks, George W. Shanks and J. J. Shanks, Minors.

# O. R. & N.

UNION PACIFIC  
OREGON  
SHORT LINE

AND UNION PACIFIC  
Three Trains to the East Daily

Through Pullman standard and tourist sleeping cars daily to Omaha, Chicago, Spokane; tourist sleeping cars daily to Kansas City; through Pullman tourist sleeping cars (personally conducted) weekly to Chicago, reclining chair cars (seats free) to the East daily.

70 HOURS PORTLAND TO CHICAGO. 70  
No change of cars.

DEPART FOR	TIME SCHEDULES From Portland	ARRIVE FROM
Chicago-Portland Special 9:15 a. m. via Huntington.	Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and East.	5:25 p. m.
Atlantic Express 8:15 p. m. via Huntington.	Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and East.	7:15 a. m.
St. Paul Fast Mail 6:15 p. m. via Spokane.	Walla Walla, Lewiston, Spokane, Wallace, Pullman, Minneapolis, St. Paul, Duluth, Milwaukee, Chicago and East.	8:00 a. m.

OCEAN AND RIVER SCHEDULE.  
For San Francisco—Every five days at 8:30 p. m. For Astoria, way points and North Beach—Daily (except Sunday) at 8:00 p. m.; Saturday at 10:00 p. m. Daily service (water permitting) on Willamette and Yamhill Rivers.

For fuller information ask or write your nearest ticket agent or

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Corvallis & Eastern Railroad  
TIME CARD.

No. 2 FOR YAQUINA:  
Leaves Albany 12:45 p. m.  
" Corvallis 1:45 p. m.  
Arrives Yaquina 5:40 p. m.

No. 1, RETURNING.  
Leaves Yaquina 7:15 a. m.  
" Corvallis 11:30 a. m.  
Arrives Albany 12:15 p. m.

No. 3, FOR DETROIT.  
Leaves Albany 1:00 p. m.  
Arrives Detroit 6:00 p. m.

No. 4 FROM DETROIT.  
Leaves Detroit 6:30 a. m.  
Arrives Albany 11:15 a. m.

TRAINS LEAVE KINGSTON  
Going West 9:55 a. m.  
Going East 2:06 p. m.

No. 1 arrives in Albany in time to connect with S. P. south bound train, as well as giving two or three hours in Albany before departure of S. P. north bound train.

Train No. 2 connects with the S. P. trains at Corvallis and Albany giving direct service to Newport and adjacent beaches.

Train No. 3 for Detroit, Breitenbush and other mountain resorts leaves Albany at 1:00 p. m.

For further information apply to  
EDWIN STONE, Manager,  
THOS. COCKRELL, Agent,  
Albany, Oregon.