

Congregational Church
LINCOLN SUNDAY

Morning service at 10:30. Sermon on "Abraham Lincoln—Emancipator."
Evening service at 7:30. "The Child in Our Midst."
GEO. NELSON EDWARDS, Pastor.

What He Was Doing.



"What are you using that shovel for?"
"To dig with, you ninny."
"What are you digging for?"
"Oh, for about twenty minutes."
Pittsburgh Press.

LOCAL BRIEFS

Frank Busch has received four cluster lamp posts containing four lights each which he will install in front of his property on Main Street. These posts are of the same design as that in front of the Portland Railway, Light & Power Company's offices. Mr. Busch will have the lamps installed as soon as the cement sidewalk is completed in front of his premises.
The members of Meade Post, Grand Army of the Republic, will attend the Congregational Church in a body Sunday morning upon the invitation of Rev. G. N. Edwards, who will deliver a sermon upon Abraham Lincoln.

Mrs. Brown Lamont and children, of Portland, are spending a few days in this city with Mrs. Lamont's mother, Mrs. Rosina Fouts.
Mrs. George Harding, Mrs. Rosina Fouts and Mrs. Alldredge went to Gresham Saturday where they installed the officers of the Women's Relief Corps.

A. H. Miley, of Vancouver, Wash., has sold his interests in that city and is back in Oregon City looking over the town. He may move back to this city in the near future.

The Hub Grocery, 7th and Center, carries Heinz Pickles, sweet, sour, they are better than ordinary pickles.

George O. Callif and wife have sold their home in Cazadero and will move to this city. Mr. and Mrs. Walter Morris have also sold their home in Cazadero and will move to Oregon City.

M. T. Callif, of Salem, was in this city Saturday attending to business matters. Mr. Callif is traveling in the interests of the Oregon Manufacturers' League.

Fruit trees, rose bushes and fancy shrubbery at low prices. Two-year fruit trees at ten cents. H. J. Bigger, 9th and Center Streets, City.

Mrs. William Samson, of this city, was visiting her niece, Mrs. Bauer of Barlow during the latter part of the week.

Mr. and Mrs. Charles Grant, of Toppenish, Wash., are spending a few days in this city as the guests of Mr. and Mrs. W. B. Hunsaker.

Miss Roretta Raber is very ill of blood poisoning at her home on Molalla Avenue.

Try a pound of our Special Coffee at 35c a pound. There is no better in town at any price. The Hub Grocery, 7th and Center.

Lawrence Johnson, of Clackamas, has been in this city for several days attending to business matters.

Mrs. A. L. Lewis, of Vancouver, has been in this city several days visiting friends.

George Bliss and son, of Carus, were in Oregon City Saturday attending to business matters.

Mrs. Della Vallen, of Elwood, was in this city last week visiting her brother, William Henderson.

Mr. and Mrs. B. Bauffann, of Seattle, are registered at the Electric Hotel for a few days.

Frank Foster, of Portland, has been in Oregon City several days on a business trip.

W. R. Hurst was transacting business in this city Thursday and Friday. His home is in Hubbard.

Adam Killan, of Sherwood, is a guest of Dr. W. T. Milliken.

Fruit Tree Spraying

According to Law by

Jack Gleason

Under the direction of O. E. Freytag, County Fruit Inspector.

Phone Main 1611

At the Portland Theaters
Last Car Leaves For Oregon City at Midnight



SCENE FROM "EXCUSE ME" FARCE COMEDY AT HEILIG FEBRUARY 16, 17, 18, 19. Henry W. Savage presents his famous farce comedy success "Excuse Me" at The Heilig Theatre, 11 and Morrison Streets for 4 nights, beginning Sunday, February 16. Popular price matinee Wednesday.

County Commissioner N. Blair was in Hubbard the latter part of the week.
Miss Edna Dye, of Borling, was a recent Oregon City visitor.
Fine line of pianos for sale at Electric Hotel Building.
F. W. North, of Estacada, was an Oregon City visitor Saturday.
Dr. van Brakle, Osteopath, Masonic Building, Phone Main 399.

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AMONG THE CHURCHES

First Baptist Church—Dr. W. T. Milliken pastor. Bible school at 10 H. E. Cross, superintendent. Morning worship at 11. Sermon theme, "What is Propitiation, and Who is to be Propitiated?" Evening worship at 7:30. Song service. Sermon theme, "The Wages and the Gift." B. Y. P. U. at 6:30. Good service, visitors cordially welcome.

Catholic—Corner Water and Tenth streets, Rev. A. Hillebrand, pastor. Residence 912 Water; Low Mass 8 a. m.; with sermon; High Mass 10:30 a. m.; afternoon service at 4; Mass every morning at 8.

First Congregational Church—George Nelson Edwards, pastor, 716 Center Street, Phone 395. Morning service at 10:30, sermon by the pastor. Sunday school at 11:50. Christian Endeavor at 6:30, evening service at 7:30. The pastor will speak this morning on "Abraham Lincoln and Fifty Years of Progress by the People He Emancipated." The G. A. R. have accepted an invitation to be present. This Sunday is also to be observed as Child Welfare Day in response to a request from the Congress of Mothers. Mr. Edwards will speak on "The Child in Our Midst" calling attention to the significance of widespread study and effort to understand the child responsibility of society for his welfare. Parents and teachers are especially invited to be present. What is the most pressing need of the children in Oregon City?

St. Paul's Church—Holy communion 8 A. M. Sunday school 10 A. M. Holy Communion 11 A. M. Evening prayer and sermon 7:30.

First Church of Christ, Scientist—Ninth and Center streets. Services Sunday 10:45, Sunday school immediately after.

Mountain View Union on Molalla Avenue—(Congregational).—Sunday School at 3:00 P. M., Mrs. A. S. Martin, superintendent. Bible study Thursday afternoon at 2:30. Prayer meeting Friday evenings at 7:30. Preaching, morning service at 11; evening service at 8.

The First Methodist Episcopal Church—The church of the cordial welcome. T. B. Ford, pastor. Residence 702 Eleventh Street, house phone Main 96 and office phone Main 52. Services today: 9:30 A. M. the Sunday School cabinet meets in the pastor's study 9:30. Sunday school J. R. Bowland Superintendent, 9:45. Some of the classes will meet in the Woodman Hall. Public service and preaching by the pastor at 11. Subject, "The Revival a Condition, With Causes and Results." Class meeting follows the service. Junior League at 3. Epworth League devotional meeting at 6:30. Evangelistic services, with rousing music at 7:30. Dr. Ford will preach "The Children's Vested Choir" will sing. Revival services will continue through the week, every evening at 7:30. Dr. Ford will conduct the services, assisted by other pastors of the city.

First Presbyterian Church—Rev. Landsborough, minister. Sabbath School at 10:00 o'clock, Mrs. W. C. Green, superintendent. Morning worship at 11:00 o'clock, subject "Our Care for the Children." Y. P. S. C. E. at 6:45. Topic "The First Chapter of India's Awakening," by Sherwood Eddy. Evening worship at 7:30. Subject, "Honest Leadership." Special reference will be made to Abraham Lincoln.

Parkway Congregational—Rev. C. L. Jones pastor, residence Clackamas; Christian endeavor Thursday evening 7:30. Sunday school 10, Emery French superintendent; preaching

MID WEEK—"EXCUSE ME"

Starting Sunday night, Henry W. Savage will offer his Pullman farce "Excuse Me" at the Heilig Theatre for four nights and Wednesday matinee. No farce in years has caused such merriment, and it will be well remembered by all who had the good fortune to see it when it played here last season. Mr. Savage is sending his best company here, as he did last year, and it will be headed by the King of all negro dialect artists, Willis P. Sweatman, who will again be seen in the original role of the Pullman Porter. Sweatman will be assisted by the following players who have made this farce successful for the last three years. Sidney Greenstreet will again be seen as the bibulous Little Jimmy Wellington, Galwey Herbert as the English Tourist, and Robert Frazer, Wm. V. Strutz, Jack Hollis, Chas. Chappelle, Robert E. Graham, Jr., Wm. Wainwright, T. P. Dougherty, Leo Cooper, Reeva Greenwood, Rita O'way, Ethel Weir, Lallie Brownell, Enid Gray and Winifred Lee make up the remainder of the company. Seats will go on sale Friday, February 14, for the entire engagement, and the Wednesday matinee will be a popular priced performance.

"THE SQUAW MAN"

Famous Western Play to be This Week's Offering of the Baker Players.

A play of the great cattleland of thirty years ago—now fast passing into oblivion is "The Squaw Man" which the Baker players will offer for all this week, starting with the usual matinee today. Its characters are typical cowboys and equally typical border country sheriff, badmen, Indians and others, as well as English tourists to show contrast between the cultured members of high civilized society and the tough and ready humans of the edges of civilization.

A young English Lord is exiled and comes to America, marries an Indian girl who saves his life and becomes first a foreman on a big ranch and afterward owns a ranch of his own. Years after, by the death of his cousin, he becomes cleared of the crime he took upon himself to protect others and is recalled home. But he refuses to desert his Indian wife and finally when he consents to let his little boy be sent to be educated and have the advantages due him, the parting breaks her untended heart and she shoots herself. This is the mere outline of a most remarkable and thrilling Western play in which the Baker players with greatly augmented cast will appear for the first time in stock in this city this week. Its scenes are exciting, fascinating and at the same time amusing for these half-wild cowboys cannot help their little fun with each other and with the Sheriff, who is not very popular among them. Robert Connors, who recently gave such an excellent performance of "The Virginian" will be seen as the Squaw Man and Alice Fleming as the Indian girl. The Baker matinees will be given Sunday, Wednesday and Saturday and the always popular Bargain Night Monday.

REAL ESTATE TRANSFERS.

John Peters to Dena Heinz, lot 5, block 6, Willamette Falls; \$1.
H. O. Hoyde and wife to Andrus Totterer and wife, land section 4, township 6 south, range 1 east; \$6,174.
Ellen M. Rockwood to Church C. Smith and wife, lot 11, block 7, Ardenwald; \$600.
Fred Rathbun to John Anderreg, land sections 5 and 8, township 2 south, range 1 east; \$1.
Eveline McComb to Joseph McComb lot 1, block 36, Central Addition to Oregon City; \$1.
Oramel R. Mack and wife to Charles E. Wait, lot 4, block 4, original town of Canby; \$1,050.
If it happened it is in the Enterprise.



services each Sunday, alternating between 11 a. m. and 7:30 p. m.
Williamette M. E. Church—Regular preaching at 2 p. m., Sunday school 3:15 p. m., Mrs. Fromong superintendent.
Zion Lutheran church—Rev. W. R. Kraxberger, pastor.
Christian Church at Gladstone—R. L. Dunn, pastor. Bible School 10 A. M., preaching at 11 A. M. and 7:30 P. M.
United Brethren—S. S. 10: A. M., preaching 11 A. M., C. E. 6:30 P. M., preaching 7:30 P. M. Welcome to all.
FRED CLACK, Pastor.
Welch Congregational Church—Beaver Creek. 10:30 A. M. Welch sermon by Rev. J. E. Griffith of Portland.
2 P. M. English sermon by Rev. W. E. Williams, also of Portland. Everyone invited.
Canemah Sunday School commences at 2:45 P. M. instead of 3 P. M. Mrs. L. A. Alexander, Superintendent. Preaching service Canemah at 2:45 Sunday afternoon.

Coal

DO YOU KNOW THE JOY OF COMFORTING FURNACE WARMTH IN THE EARLY MORNING, FROM A COKING COAL FIRE THAT LASTS ALL NIGHT?

DID YOU EVER MAKE A WOOD FIRE THAT COULD WARM YOU WHILE YOU SLEEP?

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THE SMALLEST SIZE OF SOUTH PRAIRIE COAL CAN NOT RUN THROUGH THE GRATES OF YOUR FURNACE BECAUSE EVERY OUNCE OF THIS COAL COKES INTO LARGE LUMPS OF PURE COKE.

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OF THIS COAL IS IN OREGON CITY FOR TEST PURPOSES AND DELIVERY.

UNTIL PERMANENT AGENCY IS APPOINTED SOUTH PRAIRIE COAL WILL BE DELIVERED BY THE PIONEER TRANSFER COMPANY.

PRICE SINGLE TONS DELIVERED IN BULK \$8, DELIVERED IN SACKS \$9.

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TESTS ARE AUTHORITY FOR THE FOLLOWING STATEMENT:

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IS HIGHER GRADE IN ANALYSIS OF HEAT UNITS THAN ANY OTHER COAL NOW IN OREGON CITY.

IT LASTS LONGER FOR LESS MONEY. CALL PIONEER TRANSFER COMPANY.

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Ours are grown on OWN ROOTS. The kind you are NOT ASHAMED TO PLANT in your front yard. They do not run into wild roses.
We Replace Free Any Which Fail To Grow WE PAY THE EXPRESS
And charge you no more than if you lived next door neighbor to us. We guarantee you the LARGEST GROWERS of ever blooming roses in the world. Our photo illustrated catalogue tells you all about it, free if you own home. Liberal inducements for CLUB ORDERS.
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All this and much more is told without asking a single question. They have helped others, why not you?
Partake of these advantages freely and you will be spared the saddest of all sad words, "It might have been." Come all you sick people.
Tells name, names of friends or enemies and exactly what you called to know.
SPECIAL for one month only readings \$1.00. Hrs. 9 A. M. to 8 P. M. daily.
HOTEL ELECTRIC ANNEX

EXPERT URGES FREQUENT ANALYSIS OF WATER

J. H. Brewster, a Portland sanitary engineer, has made the following report regarding Oregon City water and the water plant:
Herewith is presented a report upon the operation of your purification plant. The purpose of the investigation being to ascertain whether or not it was satisfactorily designed and installed, of sufficient capacity to meet the present demands, if properly operated, capable of producing a safe and suitable water supply for drinking and domestic purposes, and also to gain a knowledge as to the method of supervision under which the plant is being operated. A complete inspection of the plant was therefore made. Samples were collected from different parts of the system and the results with recommendations for future operation appended.
The pumping station and filtration plant of the Oregon City water works is located on the Willamette river within a few hundred feet of the falls and from which the water power is utilized for all the power necessary to operate the complete system, thus obviating the necessity of steam boilers or other mechanical devices. The building, partially of wood and partially of concrete, is of sufficient size and so constructed as to have the pumping station, sedimentation basins, filters and warehouse all under one roof.
The supply is taken from the Willamette River at a distance approximately one thousand feet from the plant. The intake is located on the bank of the river about three hundred feet above that portion of the falls where the Hawley Pulp & Paper Mill has installed their power wheels. The mouth of the intake is twenty-two inches in diameter and is covered with a removable one-fourth inch mesh copper screen. It is enclosed in a concrete box that is of sufficient size to reach the surface at mean water level and having its only opening on the down stream side. This is covered with an iron grating in order to keep fish, sticks, leaves, etc., from entering the intake. The pipe line carrying the water from the intake to the plant is of cast iron and twenty-two inches in diameter until it reaches the concrete wall where the mill wheels of the Hawley plant are located. From here it is reduced to eighteen inches and continues this size until it reaches the plant where it is again reduced to ten inches as it enters the pump, which forces the water to the settling basins. The discharge line from this pump is eight inches but is at once increased to twelve, thus making it possible to install a larger pump if necessary without altering the rest of the system. As the water enters this pump which is of the Morris Centrifugal type, having a daily capacity of two million gallons, the coagulant is added through a three-fourths inch brass line.
The solution tanks for mixing the coagulant consist of two wooden cylindrical tubs of five hundred gallons capacity each and are used alternately, the one filling while the other is feeding. Each tank has a dissolving box into which the sulphate of alumina is placed and put into solution by allowing the water to run over it and seep through the porous bottom into the tank. The feeding of the coagulant is regulated by setting the outlet valves so as to take a certain length of time to empty the tank. The amount of coagulant may be increased or decreased according to the turbidity of the water by either changing the strength of the solution or the rate of feeding it.
The water having had the coagulant added, enters the sedimentation basins from the twelve inch line coming from the raw water pump by means of a six inch branch which terminates in an upturned elbow that is set at an angle of forty-five degrees from the perpendicular, and at a height of three feet from the bottom thus preventing the incoming water from disturbing the settlings which have previously been removed. Here the heavy suspended matter has an opportunity to settle, carrying with it a majority of the bacteria. These basins consist of three cylindrical wooden tanks fifteen feet high and twenty-two feet in diameter with a capacity of forty-two thousand gallons each or a total capacity of one hundred twenty-six thousand gallons. As these basins are operated as units and not in series each by its own inlet and outlet, the outlets, taking the water from the top of the tanks are six inch pipe but discharge into one ten inch line which supply filters number one, two and three. Number four filter, having recently been installed, is supplied direct from number one settling tank through a six inch line. All of the inlets and outlets are equipped with valves so that any one of the tanks can be taken out of commission for cleaning without disturbing the operation of the others. They are also connected with the sewer so that the settling can be removed without difficulty. The inlets are also equipped with butterfly valves to prevent the tanks from over flowing. Since the installation of filter number four it is evident that there is a greater draft on number one settling basin than on the other two, thus having a tendency to lessen the bacterial efficiency of this tank. This idea is substantiated by the bacteriological results embodied in this report, as sample number three which was taken from the water going to number four filter and coming entirely from number one settling basin, has a bacterial count of more than double that found in sample number two which was taken from the water going to number two filter and is a mixture of the water coming from all three of the settling tanks.
Arrangements had previously been made to connect all of these tanks at the top by means of a six inch pipe and in fact the connection between number two and three tanks has already been installed. It was advised to connect number one and two immediately as this will form a hydraulic level thus allowing the butterfly valves to work uniformly and in this way preventing a greater amount of water entering number one settling basin than enters the others. With this arrangement, the extra water needed to supply number four filter will come from all three settling basins instead of coming entirely from the one.
The filters are circular wooden tub filters of the New York Continental Jewel type and are set up in four long daily capacity each, giving the complete plant a capacity of two million gallons. The filters are sixteen feet in diameter with a sand area of one hundred seventy-seven square feet. Filters number one, two and three contain four feet of Red Wing Sand with no gravel between it and the strainer system. Number four filter contains three feet four inches of Red Wing Sand under which is eight inches of gravel. The fact that there is no gravel in three of the filters is of no moment as long as the strainers do not become stopped, thus reducing the capacity of the plant, but however, if the strainers do become filled with sand they should be cleaned and a pro-

(Continued on page 4)