Oregon City Enterprise CLAY AS ROAD METAL BED WET

FRIDAY, OCTOBER 5, 1897.

REAL ESTATE TRANSFERS.

Furnished Every Week by the Clackamas Abstract & Trust Company.

J P Shaw and wife to Mrs E B Michels Mar 20 '97, Q C D lots 3 and 4 blk 4, W side add8 John and Mary A Evans to Chas Shields, Sept 16 '98 W D lot 1 blk 3, Randall's subd Mt Pleasant .. 1100 M A and Martha L White to N Andrews, Sept 27, '97, W D lot 8 blk 128, O C 300 Emma C Groom and husband to Frank Busch, Sept 27, '97 W D all of tract "F" Clackamas fruit lands 25W T Tinsley et al (by sheriff) to E S Fish Sept 27, '07 deed 80x160 rds, sec 11, t5 s, r1 e..... 449 Hilda C Anderson and husband to Wm Kestenson Aug 2, '97 W 800 D swii of seli sec 25, t1 s, r 3 e Davis Ambler Merrell Lumber Co to Philander T Davis, Jnne 4, '95 W D 7.33 acres in sec 5, t2 s, r2 e 800 Will Falls Co to Seward Rasmussen Sept 15, '97, W D lot 1 blk 13 and lot 10, blk 16, Will Fails W H Savoyr and wife to Ernest Harrington, Oct 1, '97. W D, lot 7 blk 20 Pleasant Place 385 Sarah Kestenson to A W Anderson sept 13,'97, W D neld of nwld, John Griffith to J E and M J Molloy, Sept 29 '97 W D lot 5 blk 36, 1st add to Oswego..... 200 Thos F Ryan and wife to D H Close May 10, '97, W D, lots 6, 7, 8 blk 300 4. Edgwood Barbara Spitzbarth to Fred Spitz--barth, Aug 2. '97 Q C 8 acres in fflhitman claim

Lucy M James et al to Iva I James, Oct 1 '97 W D 15 interest in the sk of wh of wh of sec 26, 12 s r 1 e and 14 interest in the s14 of which which of sec 26, t2 s, r1 e and n% and elg of self; and nw% of self and ne% of sw% of sec 27, t5 s, r1e; also the w14 of awid, see 27, t 5 s, r 1 e 5000 Maria J Kellogg to C F Vonderale Sept 19 '97 W D 9.74 acres, sec 17, 15 s, r 4 e and nw14 of ne14 of nelf sec 17, t2s, r2 e and all of nwli n of Mill creek T C Mack and wife to John Robins Oct 2, '97 W D sold sec 12, t 4 s,

... 1900 T F Hayes to Clarence Bell, Aug 18, '97 bond for deed, book 55, page 189.

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THE CLACKAMAS ABSTRACT & TRUST CO, are the owners of the copyright to the Thorne system of abstract indexes, for Clackamas county, and have

stone while undergoing rolling is several fold. In practice broken stone completely wet down is thoroughly rolled with a roller weighing ten or more tons. The wet surface of the angular rock fragments permits a more thorough compacting, as the water acts as a luwould be the case were the fragments dry. At the same time the water retains the powdered rock resulting from abrasion of the particles and holds it between the fragments. This process is reactionary and cumu-

lative, for the presence of the powder of attrition acts through capillarity to take up and retain still greater quantities of water until the spaces between the pieces of broken stone composing the upper part of the road become completely filled with powdered rock. Not a little of the cementing or bonding of a road during rolling is in reality the effect of capillarity existing between the grains of powdered rock and the adjoining walls,

This principle may be observed on our seashores and sand roads. While wet, the beach or road may be firm and unyielding, allowing heavily loaded teams to pass over them, but when dry they get. My coffee, too, in many ways such places are impassable for heavy teams and difficult of passage for all Its strength, aroma, flavor, too, your droopkinds of vehicles. In this case cementing, as ordinarily understood, plays no that I sell are said all others to excel. part in producing adhesion between My butter's always fresh and sweet-the the grains. Upon drying, the grains are prices your approval meet, and I will guarentirely free to move over one another, antee to please all customers in eggs and having lost the water which served to cheese. bind them together.

When a macadam road is thoroughly compacted, a careful inspection will Successor to Marr & Robertson. show that the fragments of broken stone are closely packed together and the spaces between are filled with a fine powdered rock, which, if derived from a suitable road material, carries a small percentage of clay. Any of our commonly used road stones contains an appreciable quantity of clay disseminated in little particles in the feldspar whence it has been derived by the weathering of the rock prior to its removal from the quarry.

The microscope shows that the feldspar of our traps and granites and other road stones is never entirely free from a considerable amount of kaolinization or alteration to clay. This change has taken place in the crust of the earth to a great depth, and no road material can contain feldspars free from more or less of this mineral, depending upon the character of the rock and the amount of weathering to which it has been subjected. By the gradual wearing of the feldspar, by the abrasive action of the roller, the wheels of carriages, and the U. feet of animals, a small but important quantity of clay is liberated, and this with any clayey the only complete set of abstracts in the terial that may have been added to the road serves to furnish the necessary title to land at once, on application. quantity of cement to knit the broken stone firmly together. It is not to be understood that an appreciable quantity of clay acts otherwise than objectionably when used in roadbuilding. As a rule nothing is more undesirable than the clay element in highway construction, yet a little mixed with some of our southern limestones serves to inday, October 18, 1897, the board of equal- crease their cementing and enduring qualities. Upon drying, the powdered rock sets much after the manner of a sandy clay and serves not only to bind the pieces of rock together, thus giving rigidity to the way, but to retard the wear due to any differential motion of the fragments over one another while other property. And it is the duty of all the load is passing along the road. A wetting of the superficial portion of a roadway during rains tends by the expansion of the cement to knit the surface together and make it impermeable to the passage of water. From a theoretical standpoint it would seem probable that a certain consame, or assessed under or beyond its dition of moisture instead of being obvalue, or any lands, lots or other property jectionable to a roadway undergoing constant use is rather desirable than otherwise. A condition of moistness serves to prevent loss of material worn fine by the abrasive action of the wind, and the presence of a thin film of wet dust acts as a cushion to protect the fragments of rock from the rude touch and impact of passing traffic, thus lessening the wear and tear of the surface. them. They may dress ever so well, In the same manner the moist cement operates to distribute the bearing surmussy their neat appearance is spoiled. | faces of the broken stone and to reduce the local intensity of the friction between one rock and another, although cement in this condition will tend to allow a greater freedom of movement among the broken stones, and hence in this way make the surface more yielding. Assuming that the loss through increased abrasion of material resulting from moist coment between the rock sugments is equal to the saving due to coshioning effect of a small quantior moisture on the surface, there still mains a saving to the road by the protection afforded by preventing excessive loss through the action of the wind. It is the custom in England to plant hedgerows beside macadamized roads in order to insure a rapid drying of the road after a rain by the sun's action. In Germany it has been the practice to plant fruit trees, particularly the cherry, while in France the mulberry tree may be seen along the roadsides, serving the double purpose of food for silkworms and shade,

NOT DESIRABLE EXCEPT IN SMALL DUALITITIES. Acts on a Comment to Knit the Stone To-gether When Property Used-Action of Water on the Roadbed – Prevents Duat and Wear-Trees and Hedges. The part played by water on crushed tone while undergoing rolling is sev-

CURED

I tried a sample box of Hobbs Spragus Kidney Pills, which I got at Torbert's drug store and treated my boy, about, Wm. Ohlenkamp & J.ha Dablke, Defendants. gus Kidney Pills, which I got at Torbert's drug store and treated my boy, about, six years old, who has had kidney troubles. He has derived great benefit from the pills, and I believe a continu-ous use of the pills for a short period of time, will ultimately esult in his rerma-nent cure. I think they are a most won-derful pill. My boys' trouble, as the doc-tors call it, is incontinence of the urine. A. C. HALLER, Dubuque, Ia. HOBBBS bricant, allowing the stones to slip by six years old, who has had kidney one another with greater freedom than troubles. He has derived great benefit

The Neighbors Say_

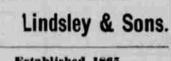
11200.00 and interest, on the following tract of and town: Beginning at a point on the section line he-wern section- 21 and 22 in T. 3.8. R. 2 E, of the Willamsto meridian in Clacksmus county, Ore-son, far enough suits of the quarter section from such point across the site running east from such point across the site running east of R. A. Worsnam to the west buundary of the donator hand elaim of Lorenze D. Kirk will include 120 scress of this part of the said Wor-sham D. L. C. lying merit of une as at and west ine exclusive of 7.5s scress hereafore so d and conversed by lease Farr to P. scanlon, and for an order of the count for the said of the actuality of 7.5s scress hereafore so d and conversed by lease Farr to P. scanlon, and for so orders of the count for the said of a screen screen interest sluce Dec. 5, 382, attorney's lees, costs and see using doors. Published by oder of Hon, Loyas R. Stearns, Judge of the creating county, which order is dated screen, 15, 1997. C. H. Dirg, Attorney for plaintiff, Oregon City, Oregon. 9-17, 10-29 and they ought to know, for they've dealt with me for several years, that the finest Tea they've tasted yet in my establishment comes in for a right good share of praise. ing spirits can renew. The sugars, spices

The Seventh street Grocer.



Being desirous of closing out and going to Alaska, we will sell chesp for the

Mills 4 miles south of Oregon City. Plank and rock road to mill.



Established 1865.

Summons. IN THE CIRCUIT COURT OF THE STATE of Orecon for Clackamas County. Robert J. Boutel, plaintiff, Philip S. Bates, Jane M. Bates, O. C. McLeod, Fiorvane M. McLeod, Henry W. Cos, Victa M. Coe, and D. W. White, defendants. <text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text> To delendants Philip S. Bates, and Jane M. Bates: In the name of the state of Oregon, you are

The Marketing Point

OF CLACKAMAS COUNTY

The factory towns of the East are noted for affording the best market to the neighboring farmers and gardeners in proportion to the population of any of the towns in that section. The reason for this is that the people of these towns have a fixed income upon which they can always depend, and, as a consequence, they are liberal buyers, paying cash for all their purchases.

As the Great Manufacturing Center of the Pacific Coast

> OREGON **CITY**.. Is Coming to be One of the

Best Marketing Towns in the State

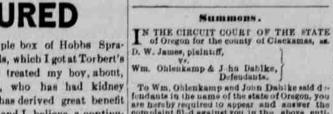
This is proven every day by the number of farmers, who are to be seen on its streets selling their produce, who, until just the last few years, sought the markets of other towns. The system of macadamized roads that is being built into all parts of Clackamas county, will enable all the people of this county to share in the profitable market that Oregon City affords. If, as it is sure to do, the demands of Oregon City increase in the next five years as it has in the past five years, this city will rank next to Portland as a market place for

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lished today and can always be relied upon for fair and honest re-



Notice

Summons.

Summons.

Sparagus Kidney Pills, HOBHS REMEDY CO., PROFILETORS, CHICAGO, Dr. Hobbs Pills For Sale in ORECON, CITY, ORE., by C. G. HUNTLEY, Druggist.

A. ROBERTSON.



Next 3 months. Bills sawed to order.

county, can furnish information as to Loans, investments, real estate, abstracts etc. Office over Bank of Oregon City. Call and investigate. Address box 377, Oregon City Oregon.

Notice to Taxpayers.

Notice is hereby given that on Monization of Clackamas county will attend at the office of the clerk of the county court of said county and publicly examine the assessment rolls for the year 1897 and correct all errors in valuations, deacriptions or qualities of lands, lots or persons interested to appear at the time and place appointed; and if it shall appear to such board of equalization that there are any lands, lots or other property assessed twice or in the name of a person or persons not the owner of the not assessed said board of equalization shall make the proper corrections.

L. STOUT, Assessor.

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There is nothing that will arouse the ire of a young man or woman so quick as to have inferior laundry work put off on but if their shirt front or shirt waist is The Troy laundry makes a specialty of ladies' and gentlemen's fine work. There can be no better work than is done at the Troy. Leave your orders at Farnsworth's arber shop.

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On receipt of ten cents, cash or stamps, a generous sample will be mailed of the most popular Catarrh and Hay Fever Cure Cream Balm) sufficient to demon-(Ely's strate the great merits of the remedy.

ELY BROTHERS. 56 Warren St., New York City.

Rev. John Reid, Jr., of Great Falls, Mont., recommended Ely's Cream Baim to me. I can emphasize his statement, "It is a posi-tive cure for catarrh if used as directed."---Rev. Francis W. Poole, Pastor Central Pres. Church, Helena, Mont.

Ely's Cream Balm is the acknowledged cure for catarrh and contains no mercury nor any injurious drug. Price, 50 cents.

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In this country no precedent has been established in the matter. The states in deciding this question must of course consider latitude and longitude as affecting the character of the trees that will flourish therein and their relation to elimatic conditions .-- C. L. Whittie,

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PIONEER

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ports of all political affairs. The Weekly Inter Ocean Supplies All of the News It is Morally Clean, and as a Family Paper is Without a Peer. ······ Its Literary Columns are equal to those of the best magazines. Its Youth's Department is the finest of its kind. It brings to the family the News of the Entire World and gives the best and abiest discussions of all questions of the day. The Inter Ocean gives twelve pares of reading matter each week and being published in the heavo is better adapted to the needs of the people west of the Alleghany Mountains than any other paper. \$1.00 PRICE ONE DOLLAR PER YEAR \$1.00 the best of their kind } Address THE INTER OCEAN, Chicago.

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best of American wits and illustrators.

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