

BINDERS FOR MACADAM ROADS

Uses of Asphalt Noted in Report of U. S. Geological Survey.

A by-product of the oil industry is fast supplying the demands for asphalt in the United States. Asphalt commerce has always been guided rather by the uses to which the material could be put than by the discovery of new deposits. Thus asphalt was first brought to this country from the region of the Dead Sea and elsewhere in the East for making asphalt varnish, and especially for "japanning" metals. Asphalt found in an impure mixture with water and clay in the great asphalt lake of Trinidad has been used in large quantities for street paving.

Bessemerizing Asphalt.

More recently the petroleum from California and Texas have furnished in the course of their utilization, large supplies of asphaltic residues. A man who has shown his genius in many other lines, Walter P. Jenney, was among the first to conceive the idea that this asphaltic material could be "bessemerized"—that is, blown with air in a way that would make it sticky and even elastic to a certain extent. Elastic material for roofing and even substitutes for rubber in automobile tires have been obtained from asphaltic residues by this blowing process or by treating with sulphur. This sulphurization of asphalt has even been applied with good effect to elaterite and similar hard asphalts from eastern Utah. The extension of this interesting bessemerizing process holds out attractive possibilities—for example, that the same raw material may be used in both the elastic tire of the automobile and the road over which it runs.

To Lessen Wear from Automobile Traffic.

The chief feature of the asphalt industry in 1911, as shown by an advance chapter from "Mineral Resources," published by the United States Geological Survey, "The Production of Asphalt, Related Bitumens, and Bituminous Rock," by David T. Day, is the great extension of the use of residues from the asphaltic varieties of petroleum as binders in the surfaces of macadam roads in order to prevent the rapid deterioration of these roads from automobile traffic. The asphalt used for this purpose showed a gain in quantity from 159,424 tons in 1910 to 234,951 tons in 1911. It is noted also that the importation of soft asphalt from Venezuela, which is admirably suited for this purpose, is increasing.

Killing Cutworms.

O. A. C., CORVALLIS, ORE., June 22.—That poison bran mash is the best thing to kill cutworms is the belief of A. L. Lovett, crop pest expert of the Oregon Agricultural College.

"The cutworms pass the winter in the soil as partly grown larvae," he says. "They are in the soil in the spring when the ground is prepared for planting. The poison mash should be sown over the ground a few days before the crop appears. If there is no green vegetation, the worms eat the mash greedily, and the field is freed of them before the plants appear. For later treatment the only way is to put a small heap of the mash around the base of the plants to be protected. To make the mash, mix 16 pounds of coarse bran, a pound of Paris green, half a pound of salt, a

gallon of any cheap syrup, and enough water (warm) to make a heavy mash."

"Poultry should not, of course, have free range where the poison is."

NEWS FROM COUNTY SEAT

Court House Notes.

HOP CONTRACTS

Hanna Bros. to Hugo V. Loewi, 10,000 pounds at 24c.

REAL ESTATE.

Amanda J. Daggett to C. A. Ramsey, lot 2 in block 11, Conkey's 2nd Add to Dallas, \$10.

Lewis L. Goodwin to David M. Duvall, 20 acres in tp 8 s, r 4 w, \$1.

Martha A. Hill to School District 29, lots 5 and 6 in block 14, and lots 3, 4, 5 and 6 in block 15, all of block 16, and lots 5, 6, 7 and 8 in block 17, in Hill's Add to Independence, \$1,350.

Edna Stewart to Martha F. Hutchins, lots 5, 6 and 7 in block A, Golden West Add to Falls City, \$500.

Austell V. McCarter to Robert McLennan, 25 acres in tp 7 s, r 6 w, \$1.

James Boydston to George Hawkins et ux, 7.28 acres in tp 7 s, r 5 w, \$10.

J. H. Albert et al to W. M. Antrican, lots 1, 2, 3 and 4 in block 12, Eola, \$600.

J. H. Albert et al to W. M. Antrican, lot 10 in McNary Orchard, \$1,176.

Roy D. Cass to William D. Spurrer, 115 acres in tp 8 s, r 4 w, \$199.75.

Zerelda Hayden to Clell Hayden, 200 acres in tp 7 s, r 4 w, \$1.

W. D. Harmon to William C. Oxford, lots 4, 5 and 6 in block A, 1st Add to Falls City, \$775.

Oriole Gold Mining Co. to James E. Butler, lots 20, 21 and 22 in Clarkview Fruit Farm, \$2,800.

Capital Trust Co. to George P. Dekim, lot I in block 4, Kingwood Park, \$15,000.

Martha J. Powell to Anna L. Conner, land in tp 6 s, r 6 w, \$75.

John A. Martin to Edna Butler, lot 2 in block I, Hall's Add to Independence, \$10.

Melthia Kelsey to R. W. Hogg et ux, 120 acres in tp 7 s, r 3 w, \$10.

J. A. Martin to Albert C. Moore, lot I in Hill's Add to Independence, \$10.

P. A. Hanson to Emma May, 5 acres in tp 8 s, r 6 w.

MARRIAGE LICENSES.

Clotis W. Sloan to Leota C. Foster.

Fred E. Hogue to Esther E. Fisher.

PROBATE.

Guardianship of Ada Ann Menard and Bertha Menard, minors, William Neal appointed guardian; letters to issue on filing approved bond in sum of \$300; bond filed and approved.

Estate of Monroe Mulkey; estate admitted to probate; Sam A. Mulkey appointed administrator; letters to issue on filing approved bond in sum of \$4,000; bond filed and approved.

Estate of Lincoln McKye (alias McCoy); E. M. Smith appointed guardian ad litem for minor heirs; hearing of petition for sale of real estate continued on Wednesday, June 19, 1912, at 10 o'clock a. m.

Guardianship of Charles N. Tharp, an incompetent person; final receipt filed; guardian discharged and matter closed.

Estate of Charles Tharp; petition of executor for monthly allowance of \$25, to begin May 1, 1912, and to continue until further order of this court; granted.

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Church Directory.

EVANGELICAL CHURCH

W. A. GUEFFROY, Pastor.

Morning service at 11:00 o'clock
Evening service at 7:30 o'clock
Sunday School at 10:00 a. m.
Y. P. A. Meeting at 6:30 p. m.
Prayer Meeting Wednesday evening.

CHRISTIAN CHURCH.

W. A. WOOD, Pastor.

Morning Service at 11 a. m.
Evening Service at 7:30 p. m.
Sunday School 9:45 a. m.
Y. P. S. C. E. 6:30 p. m.
Prayer Meeting Wednesday 7:30 p. m.

BAPTIST CHURCH.

Preaching Service, 11:00 a. m.
Sunday School, 10:00 a. m.
B. Y. P. Union, at 6:30

W. C. T. U.

Local Union meets every second and fourth Friday in the Evangelical church at 2:30 p. m.

Professional Cards

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