

INDEPENDENCE ENTERPRISE

CHARLES EDWARD HICKS

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HOW TO BUILD GOOD ROADS

In a paper read before the annual good roads convention, held recently at Cleveland, O., Edward N. Hines, chairman of the board of Wayne county road commissioners, expressed his views regarding concrete roads in the following manner:

Concrete roads would meet the ideal conditions of road building because of comparatively low first cost, durability, low maintenance cost, ease of traction and freedom from dust and mud.

The value of concrete roads was shown in a recent experiment near Detroit, Mich., where a road was made seventeen feet eight inches wide of concrete, with shoulders on each side of the natural soil, making the width twenty-six feet over all at its narrowest point.

The annexed specification was drafted, it being the intention of the board to do the necessary grading, filling, ditching, putting in of manholes, building shoulders and, in fact, doing all the work but the actual concreting.

Ninety-eight cents a barrel was paid for cement and 75 cents a yard for sand, and the prices of limestone and crushed cobble are shown in the specification. The average haul was about two miles. Two thicknesses of three ply tar paper were used in the three twenty-five foot sections, the fourth section being made half an inch wide and filled with a composition of four parts soft pitch to one part Trinidad asphalt, to which was added 3 per cent of still wax, the whole heated and poured into the joint in a boiling state. A strip of southern pine was also used as an experimental joint.

The following specifications are those under which such a road can be constructed:

All cement used should be portland cement of American manufacture. No more than 8 per cent of the cement should fall to pass through a No. 100 sieve nor more than 25 per cent should fail to pass through a No. 200 sieve, and it should stand a test of 150 pounds per square inch tensile strain when made into briquets and exposed in air until final set and the balance of twenty-four hours immersed in water. One day in air and six days in water should show a tensile strength of at least 450 pounds. One day in air and twenty-seven days in water should show a tensile strength of at least 550 pounds, and when mixed in proportions by weight of one of cement to three of sand and exposed in air one day and in water six days it should stand a tensile strain of at least 100 pounds, and in twenty-eight days a strain of at least 200 pounds per square inch.

Sand used in making concrete should be clean, dry, crushed quartz, trap rock, granite or well graded bank, lake or river sand, passing a No. 20 sieve of No. 28 wire, and be so graded as to contain fine and coarse particles of the same grade of material, the coarse particles to predominate.

Stones for concrete can be purchased at the following prices per ton, which prices represent the actual cost of the stone laid down: Two inch, \$1.50 per ton; chips, \$1.50 per ton; screenings, \$2 per ton.

In case of hard stone, weights should be computed by measurement on the basis of 2,500 pounds per cubic yard for two inch stone, 2,300 pounds per cubic yard for chips and 2,800 pounds per cubic yard for screenings.

Concrete for the first course should consist of one part of cement, two parts of sand and five parts of broken limestone and for the second course one part of cement, two parts of sand and three parts of hard stone, evenly mixed.

In placing the concrete in position in the construction of the pavement the men should place the concrete where directed and so as to keep the different layers of a uniform thickness. Each layer should be well tamped with an approved tamper and as directed by the engineer.

The second course must be laid within twenty minutes after the first course is completed and placed and tamped same as the first course. And at night or at any other time when the work is discontinued all the work of both layers should be completed up to a common expansion joint. In other words, no section of pavement should be allowed to be left unfinished for a longer period of time than twenty minutes if work thereon has been started.

After the second course of concrete is laid and until it has thoroughly set it should be protected from the sun by a canvas or other suitable covering.

When the concrete is sufficiently hard to warrant this covering should be removed and the concrete covered with a layer of sand or gravel about one inch in depth and sprinkled and kept damp to prevent the surface of the concrete from drying out too rapidly, which covering should be left on the concrete for a period of seven days.

Expansion joints should be placed in said pavement every twenty-five feet by actual measurement, such joints to be made by placing in position a one-half inch thick strip of wood (southern pine) of the same width as the thickness of the road metal and cut so as to conform to the finished surface of the pavement. This board should be removed after the concrete has become set, but not until twenty-four hours have elapsed after the placing of the concrete on both sides of the board. And when the board is removed the space left by it should be filled with a filler of the following composition: Four parts soft pitch and one part asphalt (refined Trinidad), to which mixture must be added 3 per cent of still wax, the whole to be heated and poured into the joints in a boiling state.

DUTY TO NEW SETTLERS

A number of instances have come to the notice of this paper of the lack of courtesy extended to newcomers to Independence. Perhaps people of other towns are guilty of the same oversight. Just a little interest in them on the part of the residents of

this city will go a long way toward holding desirable citizens who, for lack of it, become discouraged with the prospect and after a few weeks' residence move on to some other town where they are paid more attention. The accumulation of desirable settlers is one of the urgent aims of commercial organizations of cities. Our commercial club was instituted for that purpose and the auxiliary came into existence for the same purpose. Some newcomers, who are most desirable and whom any town would be only too glad to claim, are becoming dissatisfied and are talking of moving away. This paper feels confident that they can be persuaded to remain if our people will show the interest in them that they deserve. The women of the city can do more missionary work in this respect than anyone else if they will make a practice of calling promptly on all newcomers. The ladies' auxiliary to the commercial club should appoint a reception committee to look after all newcomers and attempt to encourage them with their new environment. Everyone knows that people will locate and remain in the community where their friends are and where people show sincere interest in them. A hint from the Enterprise to the good people of Independence should be sufficient. Let's do more towards holding the people we have while others are doing everything in their power to get them to come here. If there is anyone under whose eyes these lines fall who doubts that these conditions exist they can learn of actual instances if they will call at the Enterprise office and ask concerning them.

McCoy has a newspaper. The first issue appeared last Thursday. W. C. DePew is the editor. The Amity Standard is a five-column paper of eight pages of which four are furnished by a Portland ready print firm. The initial number carries about ten columns of ads. The Standard will help to boost for a greater Willamette valley.

You will be asked to settle the Normal school question by your ballot in November. You want the schools separated from politics. You want the boys and girls educated. It will cost you four cents a year if you pay taxes on \$1000.00. Don't fail to vote YES for Monmouth.—J. B. V. Butler, Sec. Com.

H. E. Browne and J. T. Hoblit have sold The Silvertonian-Appeal to H. E. Hodges and Jasper Bennett. Mr. Hodges was formerly employed in the Appeal office and Mr. Bennett is from Klamath Falls.

Those diagonal weaves are so popular. You can get them at Conkey, Walker & Lehman's.

A Healing Salve for Burns, Chapped Hands and Sore Nipples

As a healing salve for burns, sores, sore nipples and chapped hands Chamberlain's Salve is most excellent. It allays the pain of a burn almost instantly, and unless the injury is very severe, heals the parts without leaving a scar. Price, 25 cents. For sale by P. M. Kirkland.

Free Subscription

Every new subscriber to the Independence Enterprise who pays the regular price of \$1.50 and mentions this offer at the time will be given a year's subscription to the Pacific Homestead. This offer is good only at this office and not to solicitors for the Enterprise.

Cloverleaf Lodge Visits Monmouth

In response to an invitation from the Monmouth Rebekah lodge to the local lodge of that order, twenty-one Independence Rebekahs visited the Monmouth lodge Thursday night, Apr 7. They went over on the regular motor and returned on a special. The Monmouth lodge initiated one candidate and Mrs. Hubbard says they did the work beautifully. After the initiatory work, everyone enjoyed a treat of ice cream and cake. All report a very enjoyable time.

Those who attended from Independence were: Mr. and Mrs. Willard Craven, Mr. and Mrs. W. L. Bice, Mr. and Mrs. Will Walker, Mrs. L. Damon, Mrs. Sarah Irvine, Mrs. Nellie Graves, Mrs. Nora Mattison, Mrs. Lena Jones, Mrs. Corrie Hubbard, Misses Nellie Da-

mon, Margaret Hodge, Katie Dunsmore, Florence Burton, Topsy Mattison, Kate Jones, Grace Jones, Bertie Bentley, Mr. C. W. Henkle.

The Circus

acrobat finds it necessary at all times to keep his muscles and joints supple. That is the reason that hundreds of them keep a bottle of Ballard's Snow Liniment always on hand. A sure cure for rheumatism, cuts, sprains, sore throat, lame back, contracted muscles, corns, bunions and all pains. Price 25c, 50c and \$1.00 per bottle. Sold by Williams Drug Co.

Beware of Ointments for Catarrh That Contain Mercury,

as mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescription from reputable physicians, as the damage they will do is ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free. Sold by druggists. Price 75c per bottle.

Take Hall's Family Pills for constipation.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned has been duly appointed by the County Court of the State of Oregon for the County of Polk, administrator of the estate of Henry Flickinger, deceased. All persons having claims against said estate are hereby notified and required to present the same to said administrator at his residence near Suver, Polk county, Oregon, duly verified as by law required, within six months from date of this notice.

Dated this 23rd day of March, 1910.

Alfred Flickinger,
Administrator of the estate of Henry Flickinger, deceased.

B. F. Swope, attorney. 43-47

NOTICE OF SALE OF BONDS.

Notice is hereby given that at a regular meeting of the Common Council of the City of Independence, Oregon, to be held in the Council Chamber of said City on the 14th day of May, 1910, at the hour of 7:30 o'clock p. m., the said City will sell 80 negotiable coupon bonds of said City, of the principal amount of \$20,000.00 in the aggregate, as authorized by Ordinance No. 107 of said City, entitled "A bill to propose by initiative petition an ordinance authorizing the issuance and sale of bonds of the City of Independence, Oregon, for the purpose of raising funds for the construction of a system of sewers in said City", proposed by initiative petition filed with the City Recorder on the 19th day of

A SHAPELY COLLAR



is every gentleman's desire. Shapely Collars are the only kind we keep. The very latest in linen Collars and the newest things in Neckties are always to be had in our establishment. Then, again you will find here a complete line of Shirts, Sox and fine Gloves.

O. A. KRAMER

JEWELER AND HABERDASHER

INDEPENDENCE, OREGON

January, 1910, ordained by the City Council on the 19th day of January, 1910, referred to the people and approved by a majority of the votes cast thereon at a special election held in said City on the 28th day of March, 1910, and by proclamation of the Mayor dated April 6, 1910, declared to be in full force and effect as the ordinance of said City. Said bonds are in denominations of \$250 each, payable twenty years from the first day of May, 1910, (with the privilege, optional with said City, of paying said bonds or any thereof at any time after the first day of May, 1915.) and bear interest at the rate of five per cent per annum, payable semi-annually, from May 1, 1910, until paid; principal and interest pay-

able at the First National Bank of Portland, Oregon, in gold coin, without costs, charge or expense to the purchaser or holder of said bonds. Said bonds will be sold to the highest bidder or bidders therefor, but will not be sold for less than their face value.

The said Council reserves the right to accept bids for any part of said issue of bonds hereby advertised to be sold, if bids for a part only of such bonds be received, and also reserves the right to reject any and all bids.

W. S. KURRE,
Recorder of said City.
Date of first publication, April 8, 1910.

WANT A SMALL FARM



EVERYBODY DOES. OUT AT WALNUT ACRES THERE ARE SEVERAL ACRES THAT WHEN THE EXPERT WALNUT MAN WAS THERE THOUGHT NOT THE VERY BEST FOR WALNUTS. OF COURSE YOU KNOW THAT WALNUTS HAVE TO HAVE A PARTICULAR GROUND IN A NUMBER OF WAYS. THIS LAND IS A DEEP BLACK SOIL—THERE'S NOTHING BETTER IN POLK COUNTY FOR HAY, GRAIN AND VEGETABLES. THIS LAND WE ARE OFFERING ON A LITTLE PAYMENT EACH MONTH AND ONLY 4 PER CENT INTEREST. FOR SPECIAL PRICES AND TERMS WRITE

Smith-Wagoner Company

311-312 LEWIS BLDG. PORTLAND

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CHAS. E. HICKS REAL ESTATE CO.
INDEPENDENCE, OREGON