

A SUCCESSFUL CONCRETE ROAD

Transformation of Old Highway by Iowans.

ONE OF THE BEST IN STATE.

The "Grade Road," Once a Two Mile Terror to Farmers, is Now Paved Out With Pride—Used Automobile Tax Money.

Probably one of the very worst pieces of road in Iowa existed for years in Benton county, just across the Cedar river north of Vinton. It was known as the "grade road" and is well known, especially to every automobile tourist who was unfortunate enough to be forced to travel it.

The grade road proper is about two miles in length, leading directly from the north end of the Cedar river bridge. It traverses very low land, which overflows in time of high water and presents a number of difficulties which under the old system baffled the roadmakers. This grade is built up like a railroad grade, and the height varies from probably ten to twenty feet. During freshets the river would cover the entire country, in some places running over the road, and the consequence was that when the waters receded the grade was honeycombed with washouts. Various ways were tried to resist the water, such as using crushed stone, dirt, etc., but every year found the surface of the road a little worse than the year before and so full of "chuck" holes that a real old corduroy road was a boulevard in comparison. It was almost impossible to get over it with a load, much less an automobile.

As the ordinary road tax in this township was entirely too small to properly take care of even this one piece of road, the building of a permanent highway was a difficult matter. However, early last spring the Vinton Ad. club took the matter up, and what was the worst piece of road in Iowa is now the best and enjoys the distinction of being the first concrete county road to be built in Iowa. A committee was appointed by the Ad.



SECTION OF COMPLETED CONCRETE ROAD AT VINTON, IA.

club to go before the supervisors and urge prompt action. It was found that with Benton county's share of the new state automobile tax coming in, several thousand dollars were available. The farmers served by this villainous road were then approached and together with business interests of Vinton contributed \$2,500 toward the cost of making a start toward two miles of permanent concrete road.

The work was let to a responsible contractor at \$1.03 per square yard, and the finished road is a joy to look upon and better still to travel over. It is expected at an early date to complete the entire two miles and perhaps more.

The road constructed this year amounts to 2,000 lineal feet. The roadway is sixteen feet wide, with center eight inches thick, grading down to six inches thick at the edges, which gives it sufficient crown for drainage purposes. The curb is twelve inches and is inverted, extending into the ground, which will greatly aid in the resistance to the high water.

The entire cost of this paving was approximately \$5,000, of which Vinton business men and farmers directly interested contributed \$2,500, and the county paid \$2,500 out of the automobile tax. This does not include the grading on each side of the cement roadway, which was let to a local man and cost \$500. It is well worth the price and no doubt next year will see the work of this year extended at least as much more.

Value of Good Roads.

Three years ago the farmers of Spottsylvania county, Va., spent \$100,000 on good roads. Here is how the value of farm lands increased as a result:

Owner	Acres	Price, 1909	Price, 1912	Per cent. increase
George E. Shay	139	\$3,500	\$6,000	42
Susan M. Alsop	23	6,000	8,250	37
Tommy Todd	119	1,500	2,000	33
Mrs. Edgar Wallace	475	5,000	12,500	150
Thomas J. Price	257	2,800	4,600	64
William Thorburn	128	3,000	10,000	233

Good Highways Uplifting.

There is nothing that contributes more to rural uplift than good roads. For social and economic improvement communication must be easy. Without good roads it is impossible for the people of rural communities to meet and discuss ways and means of improving rural society.

ROAD TIPS FOR THE FARMERS.

The farmers are recognizing the advantages of having good roads in order to transport the products of their farms and enable them to dispose of them at reduced cost of transportation, and the remarkable progress being made in road improvement is not altogether due to the automobiles.

When a farmer can hustle a load of produce to a railroad station in half an hour with one horse as against two hours with two horses he is saving money and receiving the benefits of good roads.

Good roads will change backward localities into progressive ones, enhance values and bring to general notice many resources which have only been known locally and not appreciated.—Better Roads.

CONCRETE BRIDGE WORK IN KANSAS.

State Highway Engineers Are Busy Preparing Plans.

Plans for thirty-five concrete bridges are being drawn in the office of the state highway engineer at the Kansas Agricultural college. Twenty-four of these are to be built in Jewell county. Seven men are kept busy in the highway department now. Most of the work is with bridges. Three men are in the field all the time inspecting bridges under construction, and the other four make estimates and prepare plans. Two more inspectors are needed now.

When a call for help in bridge building comes in to the highway department an engineer is sent to look over the site and give a rough estimate of the cost. Whenever possible, concrete bridges are recommended. The engineer then comes back to the college and prepares plans and sends them, with an inspector, to the man in charge of construction. The inspector sees that the bridge is built according to the plans and specifications. He stays on the job until it is finished.

In choosing a site for a bridge an engineer sometimes is able to correct the bad location of the old bridge and thereby make a better road and reclaim some good farming land. Such was the case recently when A. R. Losh, assistant state highway engineer, went to Butler county to look over a site. A new bridge was needed to replace an old iron one on which a good deal of money had been spent for repairs. Mr. Losh selected a new location for the bridge, which will do away with four dangerous curves in the road and give back two or three acres of farm land for cultivation. A concrete bridge 100 feet long was recommended and plans will be drawn for it.

A classified ad in The Bulletin is read by hundreds and brings the advertiser good returns for the money invested.

DIRECTORY OF OFFICIALS.

United States.

President William H. Taft
Vice President James S. Sherman
Secretary of State P. C. Knox
Secretary of Treasury J. MacVeagh
Secretary of Interior W. L. Fisher
Secretary of War H. L. Stimson
Secretary of Commerce and Labor Charles Nagel
Secretary of Navy Geo. Von L. Messer
Secretary of Agriculture Jas. Wilson
Postmaster General F. H. Hitchcock
Attorney General G. W. Wickersham

Attorney Fred W. Wilson
Governor Oswald West
Secretary of State B. W. Olcott
Treasurer Thos. B. Kay
Atty General A. M. Crawford
Superintendent Public Instruction L. R. Alderman
State Printer W. S. Dunway
Commissioner Labor Statistics O. P. Hoff
Game Warden W. L. Finley
State Engineer John H. Lewis
United States Senators George E. Chamberlain
Congressmen A. W. Lafferty
Jonathan Bourne, Jr.
W. C. Hawley
Seventh Judicial District.

Crook County.
Judge W. L. Bradshaw
Judge H. C. Ellis
Clerk Warren Brown
Sheriff T. N. Balfour
Treasurer Ralph Jordan
Assessor J. D. LaFollette
School Supt. R. A. Ford
Coroner Dr. E. O. Hyde
Surveyor Fred A. Rice
Commissioners R. H. Bayley
James Rice

The Courts.
Circuit—Meets first Monday in May and third Monday in October.
Probate—Meets first Monday in each month.
Commissioners—Meets first Wednesday in January, March, May, July, September and November.

Bend School District No. 12.
Directors H. J. Overturf, Chmn
F. M. Ray
Clyde M. McKay
Clerk H. E. Allen

City of Bend.
Mayor G. P. Putnam
Recorder H. C. Ellis
Treasurer H. J. Overturf
Chief of Police S. E. Roberts
City Engineer George S. Young
Councilmen H. E. Allen
A. L. French
M. S. Lattin
H. B. Ford
John Steidl
J. H. Wenandy

STENOGRAPHY WORK.
Stenographer at The Bulletin office will take copying and general typewriting work at reasonable rates.

LESS BOWEL TROUBLE IN BEND.
Bend people have found out that A SINGLE DOSE of simple buckthorn bark, glycerine, etc., as compounded in Adler'ska, the German appendicitis remedy, relieves constipation, sour stomach or gas on the stomach INSTANTLY. This simple mixture antiseptizes the digestive organs and draws off the impurities and it is surprising how quickly it helps. The Patterson Drug Co.
(Advertisement)

NOTICE OF CONTEST.
Department of the Interior, United States Land Office, The Dalles, Oregon, Dec. 18, 1912.
To Lewis Greenleaf, of Centr. Ia. Wash., Contestee.
You are hereby notified that Er-

nest C. Taylor, who gives Care C. B. Benson, Bend, Oregon, as his post-office address, did on Nov. 18, 1912, file in this office his duly corroborated application to contest and secure the cancellation of your homestead, Entry No. Serial No. 06931, made June 4, 1910, for W 1/2 E 3/4, E 1/2 S 1/4, Section 28, Township 13, S., Range 11, E., Willamette Meridian, and as grounds for his contest he alleges that said entryman never established or maintained residence upon said tract; that he never has cultivated or improved said tract in any degree whatever and has wholly abandoned said tract for more than one year last past.

You are, therefore, further notified that the said allegations will be taken by this office as having been confessed by you, and your said entry will be canceled thereunder without your further right to be heard therein, either before this office or on appeal, if you fail to file in this office within twenty days after the

FOURTH publication of this notice, as shown below, your answer, under oath, specifically meeting and responding to these allegations of contest or if you fail within that time to file in this office due proof that you have served a copy of your answer on the said contestant either in person or by registered mail. If this service is made by the delivery of a copy of your answer to the contestant in person, proof of such service must be either the said contestant's written acknowledgment of his receipt of the copy, showing the date of its receipt, or the affidavit of the person by whom delivered; if made by registered mail, proof of such service must consist of the affidavit of the person by whom the copy was mailed stating when and the postoffice to which it was mailed, and this affidavit must be accompanied by the postmaster's receipt for the letter.
You should state in your answer the name of the postoffice to which you desire future notices to be sent to you.
C. W. MOORE, Register.

Date of first publication, Dec. 25, 1912.
Date of second publication, Jan. 1, 1913.
Date of third publication, Jan. 8, 1913.
Date of fourth publication, Jan. 15, 1913.

BEND FUEL CO.

All kinds of fuel delivered promptly at lowest market prices. PHONE YOUR ORDERS.

Candies, Fruits, Nuts

POST CARDS 1c EACH.
Photographs of Deschutes Valley
Boyd Building—Greenwood Avenue
ROY VINYARD CLIFFORD BURGIN

N. P. WEIDER PAINTER AND PAPERHANGER

Estimates on Wall Paper at application Portland Prices Cheapest and Best Wall Paper Samples in the county. Get My Prices.
Shop on Oregon Street, BOX 19 West of Deschutes Bank BEND, OREGON

Clover Leaf Dairy PURE MILK AND CREAM

TELEPHONE and we will deliver
S. L. STAATS, Prop.

Central Oregon Brokerage Co.

Agents for the
UNION MEAT COMPANY OF PORTLAND, ORE.
We carry a complete stock of hams, bacon, salt meats, lards and compounds with the United Warehouse Co. at Bend. Prompt attention to mail or phone orders. Wholesale only.
Office and Salesrooms Bend, Oregon.

New PALACE MARKET


Charles Boyd, Prop.

MEATS

Vegetables, etc.

J. J. RYAN Sanitary Plumbing


STEAM AND HOT WATER HEATING.
JOBGING
Promptly Attended to.
Postoffice Box No. 171
Office on Wall Street with Chas. Hunter



Mt. Hood Nougat


Something New--Try Them

Don't Forget Our DAINY MEALS.



TRY THE NEW White River Flour

Manufactured by Oregon's finest Mill. Notice the taste—you'll like it. Made to comply with the pure food laws, therefore, NOT BLEACHED, but PURE AND WHOLESOME. NOW FOR SALE BY



L. B. MISENER

Bend, Oregon.

Legal Blanks OF ALL KINDS

Blank Notes
Rent Books
Receipt Books
Agreements
Sales Contracts
Crook County Maps
(Central Oregon Maps
Scratch Pads
Township Plats
Cruisers' Books.
We take orders for Rubber Stamps.

The Bend Bulletin