

**Government Making Experiments to Build Dust-Proof Roads.**

Uniquely interesting are a number of the experiments now being conducted by the Office of Public Roads of the United States Department of Agriculture; one being the effort to build a dust-proof road by combining the heretofore little used blast furnace slag with asphalt or tar.

This endeavor is of the utmost economic importance, because if the hoped-for success is attained, unsightly mountains of slag will soon disappear from the vicinity of scores of cities, and a ready market will have been established for vast quantities of this material.

For several years the scientists in the Office of Public Roads, as well as in many of the more progressive of the States, have been working to achieve two great objects, viz, the utilization of by-products in road building and the development of dustless roads. Experiments already conducted indicate that crushed rock combined with tar or asphalt preparations bid fair to solve in a measure the dustless road problem. Exhaustive laboratory tests have indicated the slag in combination with preparations of tar or asphalt may be made to serve as a substitute for crushed rock. Sections of experimental road are now being constructed which will subject the materials to actual service test. If the results are as satisfactory as the preliminary conditions indicate, the slag asphalt or slag-tar roads will realize the hope of the scientists for both the utilization of by-products and the attainment of a dustless road. One of these experimental stretches of road is now in course of construction at Chicago, under the supervision of Chief Engineer Vernon M. Peirce, of the Federal Bureau, and one at Birmingham, Alabama, under the direction of Mr. B. F. Heigel, First Assistant Engineer.

The road at Chicago will be of slag and asphalt; that at Birmingham of slag and tar. The greatest skill and care will be used in putting down these short stretches and they will then be carefully observed during the trying months of winter. If in the spring it has been established that this class of road remains firm, does not rut, sheds water and makes but little dust, a vast step forward will have been taken in road building, and a never-failing market will have been created for blast furnace waste.

Besides this activity in slag experiments, the Public Roads Office is also busy at Newton, Massachusetts, with a special asphalt preparation, never before tried, which the Director and his lieutenants hope may prove efficacious as a dust binding surface material.

More unique than this, however, the Office is preparing at the same place to lay a stretch of what facetious writers are almost certain to label a "Candy Road." In all flights of fancy it is probable that nobody except a scientist would go so far afield in research as to adopt molasses as a road building material, but that is exactly what has been done here, and Assistant Chemist Prevoast Hubbard of Director Page's scientific corps is leveling a half mile stretch of road near Newton, and in a few days will be the active supervision of the laying of the first molasses road of history. This molasses is the almost useless by-product of the great cane sugar refineries of the South, and the beet sugar refineries of the West and Southwest. It is sickly sweet, nearly as black and as thick as tar, and almost as powerful as a binder. Having always been a waste product, it can be bought at a lower price than coal tar and in greater quantities.

When the quantity and the sticky consistency of this material was called to the attention of Director Page, a number of months ago, he conceived the idea that it might aid in solving the always difficult problem of dusty roads. He sent for a supply for laboratory experiments and detailed Mr. Hubbard to conduct them. The molasses was blended with oils and lime water; was mixed with rock dust, with earth and with sand and tried out under heat and under water. It behaved so well and held up such promises for ideal roads that the practical test of a real road was recently decided upon.

Slag as the useless by-product, of the blast furnaces and "molasses" as the useless by-product of the sugar refineries may in a few years revolutionize country road building; create a demand for more extended road in the States where those products are most easily to be had, and add millions to the wealth of the country by putting a cash value on hitherto waste material.

While experts are laboring with these unique material experiments in East, South and Middle West, another scientist, also from the Office of Public Roads, is engaged at Independence, Kansas, in trying to devise a method of constructing the oiled roads analogous to the methods which have produced the famous

oiled roads of Southern California. He is mixing heavy oils, possessing pronounced asphaltic bases with natural soil and sand and compacting the preparation so formed with a tamping roller. One stretch of this peculiar class of highway will be under construction within a few days. The oiled roads of California have saved millions of dollars to the farmers and fruit growers of that fertile state in the last few years by suppressing the dust that formerly arose in blinding clouds with the passing of every vehicle. Those dust clouds, floating to adjacent fields and orchards depreciated the price of farm produce and lowered the values of real estate to a startling degree. The sprinkling of oil was tried and the dust was held in check. Then some of the roads were plowed and the oil mixed with the earth and the mass firmly rolled to a properly crowned surface. Splendid results followed in most instances.

Kansas has long been dust-ridden and the oiled roads now to be built there, will it is hoped, prove as beneficial to the people of that commonwealth as the California roads have to that State.

There is now in course of preparation a comprehensive treatise on Dust Prevention which will fall from the presses of the Government Printing Office in a few days. Following it in a few weeks will be a symposium embodying the experience and the experiments of all State highway commissioners, park boards and city engineers who have done any work along these lines. Their views and findings will be supplemented by the reports of a federal Public Road Expert who has carefully examined the methods now in use in France and England.

**DANGER IN DELAY**

Kidney Diseases are too Dangerous for Great Bend People to Neglect.

The great danger of kidney troubles is that they get a firm hold before the sufferer recognizes them. Health is gradually undermined. Back ache, headache, nervousness, lameness, soreness, humpago, urinary troubles, dropsy, diabetes and Bright's disease follow in merciless succession. Don't neglect your kidneys. Cure the kidneys with the certain and safe remedy, Doan's Kidney Pills, which has cured people right here in Great Bend.

Mrs. H. A. Fruit, living at 1219 Adams st., Great Bend, Kans., says: "I had considerable trouble from my kidneys several years ago, and last winter when I began to feel a dull aching in the small of my back and the kidney secretions began acting too freely, I made up my mind to take the trouble in time. As my mother has been greatly benefited by the use of Doan's Kidney Pills, I procured a box at the A. & A. Drug Co. They helped me in a short time and I have been in good health ever since. I will always say a good word for Doan's Kidney Pills when I have the opportunity."

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States.

Remember the name—Doan's—and take no other.

**Entertains for Guest.** Monday evening, Mrs. Will Harris entertained a crowd of young people at her home east of the city, in honor of her cousin, Miss Cora Brooker of Hutchinson.

Cards was the entertainment of the evening, at the close of which refreshments were served. The following is a list of those present: Misses Floy Dodge, Francis Moses, Cora Brooker, Mildred Dodge, Beatrice Caraway, and Messrs Courtney Harris, R. G. Kincaid, George Caraway, Claud Kitchen, Roy Johnson.

All present enjoyed themselves immensely, and thanked their hostess for the pleasant evening.

The residents of South Bend township are respectfully asked to cut the weeds and tall grass along the public highways, in order that better roads may be had during the winter months.

Samuel Broogher, Trustee

It's a pity when sick ones drug the stomach or stimulate the Heart and Kidneys. That is all wrong! A weak Stomach means weak Stomach nerves, always. And this is also true of the Heart and Kidneys. The weak nerves are instead crying out for help. This explains why Dr. Shoop's Restorative is promptly helping Stomach Heart and Kidney ailments. The Restorative reaches out for the actual cause of these ailments—the failing "inside nerves." Anyway, test the Restorative 48 hours. It won't cure so soon as that, but you will surely know that help is coming. Sold by Holmes, druggist.

B. Hingle, who resides in the north part of this township, was a business caller at his office last Saturday. Bat is one of the wide-awake German farmers of Stafford county. He moved here several years ago from Barton county. He says he has a double header this year—a good corn crop and a good wheat crop.—St. John News. Note? What do you think of Bat being called a German.

DeWitt's Catarrh and Witch Hazel Salve is recommended as the best ointment to use for piles, hemorrhoids, and for anything where a salve is needed. Beware of imitations. Sold by Hooper Drug Co.



**Texas Lands**  
Land that will produce two crops per year of Cotton, Corn or Cane, also Fruits of all varieties, and Vegetables.  
A lot of Fine Timber Land Grazing and Hay Lands.

For Sale by **stern & Stern** Kansas City.

Excursion Rates \$25.00 every 1st and 3rd Tuesday of each month. Anyone desiring to go, please notify **J. H. Roskam** Ellinwood, Kansas.

Many people suffer a great deal from Kidney and Bladder troubles. During the past few years much of this complaint has been made unnecessary by the use of DeWitt's Kidney and Bladder Pills. They are anti-septic and are highly recommended for weak back, backache, rheumatic pains, inflammation of the bladder, and all other annoyances due to weak kidneys. They are sold here by Hooper Drug Co.

Pink Pair Tablets—Dr. Shoop's—stop Headache, womanly pains, any pain, anywhere, in 20 minutes, sure. Formula on the 25c box. Ask your druggist or doctor about this formula—its fine. Sold by Holmes, druggist.

**VISIT THE Mountains THIS SUMMER**

Colorado is Nature's Wonder Book with a cure for ills of body and mind on every page.

You can fish, hunt, ride tramp, motor or loaf all day in the sunshine and sleep under the stars at night if you like—or you can easily get back to camp, cottage, lodge or luxurious hotel.

There's grandeur of scenery that is a constant delight. Dry, clear, invigorating, high altitude air which restores the fagged brain, tired nerves, and worn-down system.

Thousands of people every year go to Colorado unfit for business or pleasure, work or play and return with renewed energy and plenty of good red blood.

I shall be glad to furnish you complete information relative to our excellent train service, rates, etc., and assist you in making your trip comfortable and pleasantly. F. M. McINNIS, Agent.

**MISSOURI PACIFIC** The Highway to the Heights

**CASTORIA.** The Kind You Run Always Buy. Sold by Holmes, druggist.

**What Ails You?**

Do you feel weak, tired, despondent, have frequent headaches, coated tongue, bitter or bad taste in morning, "heartburn," belching of gas, acid risings in throat after eating, stomach gnaw or burn, foul breath, dizzy spells, poor or variable appetite, nausea at times and kindred symptoms?

If you have any considerable number of the above symptoms you are suffering from biliousness, torpid liver with indigestion, etc. Dr. Pierce's Golden Medical Discovery is made up of the most valuable medicinal principles known to medical science for the permanent cure of such abnormal conditions. It is a most efficient liver invigorator, stomach tonic, bowel regulator and nerve strengthener.

The "Golden Medical Discovery" is not a patent medicine or secret nostrum, a full list of its ingredients being printed on its bottle-wrapper and attested under oath. A glance at its formula will show that it contains no alcohol, or harmful habit-forming drugs. It is a fluid extract made with pure, triple-refined glycerine, of proper strength, from the roots of the following native American forest plants, viz., Golden Seal root, Stone root, Black Cherry bark, Queen's root, Bloodroot, and Mandrake root.

The following leading medical authorities, among a host of others, extol the foregoing roots for the cure of just such ailments as the above symptoms indicate: Prof. R. Bartholow, M. D., of Jefferson Med. College, Phila.; Prof. B. C. Wood, M. D., of Univ. of Pa.; Prof. Edwin M. Hale, M. D., of Hahnemann Med. College, Chicago; Prof. John King, M. D., Author of Materia Medica and Prof. in Bennett Medical College, Chicago. Send name and address on Postal Card to Dr. B. V. Pierce, Buffalo, N. Y., and receive free booklets giving extracts from writings of all the above medical authors and many others endorsing, in the strongest possible terms, each and every ingredient of which "Golden Medical Discovery" is composed.

Dr. Pierce's Pleasant Pellets regulate and invigorate stomach, liver and bowels. They may be used in conjunction with "Golden Medical Discovery" if bowels are much constipated. They're tiny and sugar-coated.

**Ruth Sterritt Married.**

The marriage of Miss Ruth Sterritt to Mr. Elgie Collins Bratten, night ticket agent for the Santa Fe, took place at the home of the bride's parents, Mr. and Mrs. J. A. Sterritt, at 5 o'clock Monday night, September 14. Rev. L. C. Schnacke performed the ceremony. Mr. and Mrs. Bratten expect to leave in the near future for a trip to the Pacific coast and will be at home to their friends after November 1, at 1339 Clay street.—Topeka Capital.

**GHICHESTER'S PILLS**  
THE DIAMOND BRAND  
Ladies! Ask your Druggist for Ghichester's Diamond Brand Pills in Red and Gold wrapper, sealed with Blue Ribbon. Take no other. Buy of your Druggist. Ask for G.H.CHESTER'S DIAMOND BRAND PILLS, for 25 years known as Best. Always Reliable.  
SOLD BY DRUGGISTS EVERYWHERE

**Texas Lands!**

Beginning with the excursion of Oct. 6th, there will be a series of excursions run from Great Bend to South Texas on the following routes:

- GREAT BEND TO HOUSTON
- HOUSTON TO SAN ANTONIO
- SAN ANTONIO TO CORPUS CHRISTI
- CORPUS CHRISTI TO SAN DIEGO

A special car will be provided from Newton to destination. A low rate of \$95.00 for the round trip with liberal stop-over privileges has been secured and this route give a splendid opportunity to visit the three places of interest in south Texas—Houston, San Antonio and Corpus Christi.

We have cheap land for investment and desirable homes in the best part of that productive country and can sell for \$2. per acre cash and balance on payments. We have larger tracts for investors or for the man who wants to farm extensively. The land will produce from \$50 to \$800 per acre owing to the crops planted. Oranges and Lemons make a paying crop. The climate is the equal to that of California.

Call on us or send for circulars.

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**Seed Wheat**



We have a few hundred bushels of

**Albert Red**

Seed Wheat Imported from Canada.

Parties who planted this wheat last year are very highly pleased with results.

**Walnut Creek**

**Milling Company**

Great Bend,

Kansas