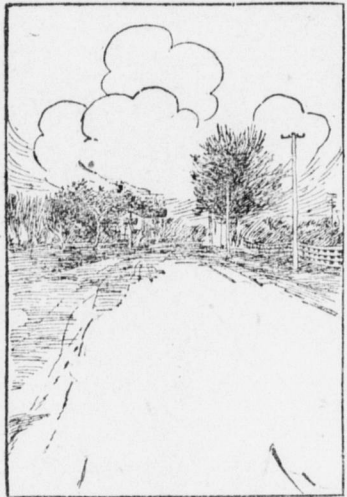


# ROAD AND FARM IMPROVEMENT

## GOOD ROADS.

H. H. Gross, Special Agent of Government, Tells State Aid Plan.

Fifteen years ago New Jersey awakened to the fact that the highways are public property and the state owes a duty to them. After a bitter contest, in which the farmers who were to be the greatest beneficiaries, almost to a man opposed the plan, they began to build roads by state aid. When they had had the experience of building roads, using them and paying for them, and found how state aid had relieved their burden, more roads were demanded. State after state has fallen into line to improve the highways by contributions from the state



Completed Surface of an Improved Country Road.

treasury. New York and Pennsylvania, and all the states east, are now building under this plan, and they are doing more under it in a year than they ever did in ten years theretofore. In February, 1908, Virginia joined the ranks of state aid states, and so the good work goes on.

There is a double advantage in building under this plan; the first is a larger property list to assess for the purpose; the second, the roads must be built under a capable engineer, which insures proper construction. Those in position to know generally agree that the money spent by the local road officials is often one-half to three-fourths wasted. If they do the right thing, they are apt to do it at the wrong time. State aid solves this problem.

This new plan of road building does not take away from the locality its control of the highways; the people of the township decide for themselves whether they will or will not make improvements under the state aid law. If they decide in favor of the improvement the state must pay its proportion. If they decide not to build, well and good. Or, if they prefer to levy a local tax and spend it in the wrong way, they are at liberty to do so; the attitude of the state being that it stands ready to assist in permanently improving the highways, but the work done must be under the supervision of the state engineer.

This plan has worked and is working successfully in 14 states, and is spreading like wild fire. Of all parts of the union, no section is so lacking in good roads, or so abundantly able to build them, as the Mississippi valley, especially the corn belt. State aid will make it practicable to build roads in this section with very little, if any, increase of taxation over the amount already being paid.

## NOTES.

Patience and energy well applied will do wonders.

An indiscriminate mixing of breeds will produce scrubs.

The muddy yard is worse for sheep than for any other stock.

The ewe that receives good care shows it in her produce.

Scrubs among sheep are just as bad as scrubs among hogs and cattle.

The earlier the fat sheep are put upon the market the better the prices.

Every farm home should have lots of sunshine. It's free and mighty healthful.

Sunshine is as valuable in the barn as in the henhouse. There is usually less of it, though.

A lot of valuable work can be done right now if there is a comfortable workshop on the farm.

The man who tries to get the best he can from his farm seldom has difficulty selling his products.

This is a good time to put the fanning mill to work. It's the best way to improve the small grain seed.

The selling side of farming is an important thing. Do not hold the stuff too long and do not be in too much of a hurry.

Removing Ax Handle.

The handle may be easily removed from the ax by placing the blade on the top of a heated stove and leaving it there till the iron around what is known as the "eye" becomes quite hot. Heat expands the iron, making it an easy matter to drive the handle from the blade.

Serves Him Right.

The farmer who thinks more of his own welfare than he does of that of his live stock is often disappointed or market day.

## ALFALFA CULTURE.

Some Facts Regarding It as Feed for Cattle, Sheep and Hogs.

Alfalfa is not intended in the main as a pasture crop; that is to say, cattle, sheep and ruminants—animals that chew the cud—will almost invariably bloat and probably die, if they do not have prompt attention, when grazed on rank alfalfa. Horses, hogs and animals that do not chew the cud can graze on it with impunity. Further, it is almost too valuable for pasture; that is, it can be utilized to greater profit in other ways. One of these ways is to cut it up and feed it uncurd. If so used, slightly wilted, nothing bloats from eating it. Cured as hay, it does not cause the animal to bloat. A piece of land in alfalfa can be cut from one side to the other and have it fresh all the time; when you get through from one side of the field the other side is ready to be cut again. Aside from its value as a forage crop it has almost equal value as a renovator, renewer and fertilizer of the soil. Properly, a man should have part of his farm in alfalfa while he is raising other crops on the remainder, and after a field has been in alfalfa for four or five years he should plow it up and plant other crops and sow the rest of the land in alfalfa, and keep up that sort of a rotation.

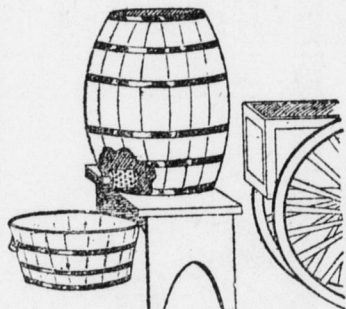
One of the most wonderful things about this plant is its root system. No other we have begins to equal or even approach it. Its roots go down, nobody knows how far. You know what a short distance roots of other crops go. They get perhaps the plant food elements out of the first foot or two feet—possibly a little more of the soil from the surface, downward. Alfalfa roots go down where no other plants' roots go, and reaching the mineral elements of the lower subsoils, bring them to the surface and convert them into merchantable commodities.

As a fertilizer, they certainly work a most wonderful transformation in the soil. They push down and down in every direction honeycombing the earth, as it were, by their growth, and if you plow up an alfalfa field you find the subsoil filled with their decaying matter, making humus, if you please, far below where any other roots have put it, depositing it there for future use and benefit, and through their innumerable perforations the rains of heaven filter carrying down with them other fertilization from the surface, working a most wonderful enrichment, such as nothing else in the world does or can do.—F. D. Coburn.

## TREATING FOR SMUT.

Apparatus Easily Made Which Makes Task Simple One.

For the benefit of those who have seed grain to treat for smut I will give my method of treating with formaldehyde, writes a correspondent of The Farmer. I use two kerosene barrels with the heads removed. First I bore a large hole close to the bottom of the barrels and then take an empty tin can with one end removed. Pierce the sides and end of holes with a nail. Now nail the can over the hole



Outfit for Treating Smut.

on the inside of the barrel. Fix the other barrel in the same way. Place the barrels on a bench or box 18 inches or two feet high. Mix the formaldehyde according to directions and put in barrel. Now pour the grain in and stir around three or four times. The smut and oats will rise to the top. Take this off with a sieve or screen wire. As soon as skimmed place the tub beneath the barrel and pull out the cork. Ball from the tub into the other barrel, and by the time the second barrel is full and skimmed the first barrel is ready to dump in wagon box which should be standing near. This is a much quicker and more thorough method than the sack process, which is a washy, wet job, and the smut and oats cannot be skimmed off as in a barrel. One can dip enough in a short while to do a day's seeding. From my experience I would advise all farmers to dip their grain every year.

## Clean Dairying.

The housewife who washes the milk cans and pails in the same dish-water in which she has already washed the breakfast dishes, and then wipes them out with a greasy cloth may have her peculiar ideas about cleanliness in handling dairy products, but they don't coincide with ours, no, not for a minute.

## Be Truly Wise.

Many a man is penny wise and pound foolish when it comes to purchasing a milk cow. It doesn't pay to buy a cow just because she is cheap and imagine you've got a bargain. The loss you'll find in the milk pail.

## A Withholding That Is Wasteful.

The most expensive feed upon the farm is that which you keep away from the cows. Give them liberal rations. That which they get above what is necessary for maintenance is what determines the profit.

## \$16 AN ACRE REALIZED ON CROP IN WESTERN CANADA.

ANOTHER FARMER REALIZES \$22.50 PER ACRE FROM HIS WHEAT CROP LAST YEAR.

Charles McCormick of Kenville, Manitoba, writes:

"During the season of 1907, I had 100 acres in crop on the S. W. quarter of section 18, township 35, range 27 west of the Principal Meridian, Western Canada, yielded as follows:

"80 acres at 22 bushels per acre, which I sold for 90 cents per bushel; and 20 acres oats yielding 60 bushels per acre I sold for 35 cents per bushel so that my total crop realized \$2,004.00. From this I deducted for expenses of threshing, hired help, etc., \$400.00, leaving me a net profit on this year's crop of over \$1,600."

Thomas Sawatzky of Herbert, Saskatchewan, says:

"The value of my crop per acre of wheat is \$22.50. I threshed 1,750 bushels of wheat from 70 acres, and was offered 90 cents a bushel for it. Oats, 15 acres, 500 bushels; and barley, 5 acres, 80 bushels. I do not know if I have been doing the best in this district, but I know if all the farmers were doing as well, Western Canada would have no kick coming as far as grain growing is concerned; and I further say that if you want to put this in one of your advertisements, this is true and I can put my name to it."

## CLASSIFIED.



Printer—Where shall I put the announcement of Alderman Dodger's retirement?

Editor—Under "Public Improvements."

## PRESCRIBED CUTICURA

After Other Treatment Failed—Raw Eczema on Baby's Face Had Lasted Three Months—At Last Doctor Found Cure.

"Our baby boy broke out with eczema on his face when one month old. One place on the side of his face the size of a nickel was raw like beefsteak for three months, and he would cry out when I bathed the parts that were sore and broken out. I gave him three months' treatment from a good doctor, but at the end of that time the child was no better. Then my doctor recommended Cuticura. After using a cake of Cuticura Soap, a third of a box of Cuticura Ointment, and half a bottle of Cuticura Resolvent he was well and his face was as smooth as any baby's. He is now two years and a half old and no eczema has reappeared. Mrs. M. L. Harris, Alton, Kan., May 14 and June 12, 1907."

## A Mind Reader.

Pat had got hurt—not much more than a scratch, it is true, but his employer had visions of being compelled to keep him for life, and had adopted the wise course of sending him at once to the hospital. After the house surgeon had examined him carefully, he said to the nurse:

"As subcutaneous abrasion is not observable, I do not think there is any reason to apprehend tegumental cicatrization of the wound."

Then, turning to the patient, he asked, quizzically:

"What do you think, Pat?"

"Sure, sir," said Pat, "you're a wonderful thought-reader, doctor. You took the very words out of my mouth. That's just what I was going to say!"

## How Her Life Was Saved When Bitten By a Large Snake.

How few people there are who are not afraid of snakes. Not long ago a harmless little garter snake fell on the wheel of an automobile which was being driven by a woman. The woman promptly fainted and the car, left to its own resources, ran into a stone wall and caused a serious accident.

The bite of a poisonous snake needs prompt attention. Mrs. K. M. Fisher, Route No. 1, Box 40, Dillsburg, Pa., tells how she saved her life when bitten by a large snake.

"On August 29, 1906, I was bitten on the hand twice by a large copperhead snake. Being a distance from any medical aid, as a last resort I used Sloan's Liniment, and to my astonishment found it killed all pain and was the means of saving my life. I am the mother of four children and am never without your Liniment."

## Mother's Modest Demands.

Lawyers will take almost any case, and Chicago lawyers, it seems, will take anything. A Chicago woman put her son in a children's home there, and is now bringing suit because they cut off the boy's curls. "Every curl was worth \$1,000 to me," she says, "and they gave him a bath, too, against my wishes. He is a delicate child and bathing makes him sick. I haven't given him a bath since a year ago Christmas." She will ask \$15,000 because of the curls and bath.

## Wayside Chat.

"Ever thrown out of a saloon?" idly inquired Tired Tiffin.

"Yep," answered Weary Wigs. "I've been thrown out of 'most everything 'ceptin' work."

## AN INTERESTING CHEMICAL EXPERIMENT

Any Child Can Do It—The Result Is Almost Like Magic—Useful, Too.

Anything in the nature of a chemical experiment is always interesting and usually educative. Here is a simple experiment which any child can perform and which is instructive in a very practical way: Get a bit of White Lead about the size of a pea, a piece of charcoal, a common candle in a candlestick, and a blow-pipe. Scoop out a little hollow in the charcoal to hold the White Lead, then light the candle, take the charcoal and lead in one hand and the blow-pipe in the other, with the large end of the blow-pipe between the lips; blow the flame of the candle steadily against the bit of White Lead on the charcoal and if the White Lead is pure it will presently resolve itself into little shining globules of metallic lead, under the intense heat of the blow-pipe, leaving no residue.

If, however, the White Lead is adulterated in the slightest degree, it will not wholly change into lead. So, it will be seen, that this experiment is not only an entertaining chemical demonstration, but also of practical use in the home. White Lead is the most important ingredient of paint. It should be bought pure and undiluted and mixed with pure linseed oil. That is the best paint. The above easy experiment enables anyone to know whether the paint is the kind which will wear or not.

The National Lead Company guarantee that white lead taken from a package bearing their "Dutch Boy Painter" trade-mark will prove absolutely pure under the blow-pipe test; and to encourage people to make the test and prove the purity of paint before using it, they will send free a blow-pipe and a valuable booklet on paint to anyone writing them asking for Test Equipment. Address National Lead Company, Woodbridge Building, New York City.

## Too Risky.

"Where is old Postmaster Daniel?" asked the drummer.

"Resigned last week," drawled the loafer in the Beacon Ridge post office.

"What caused the old man to resign?"

"Why, he read in the paper that the Florida people were shipping live alligators through the mail. Said he could stand queen bees, but when it came to live alligators he drew the line, because he had never learned to be a circus trainer, he gosh."

## A Popular Game.

"Where have you been this evening?" asked O'Riley of O'Toole.

"Sure, I have been playing 'Bridget whist,'" said O'Toole.

"Bridget whist? an' how do you play that?"

"I sit in the kitchen wid Bridget, an' ate pie an' cake an' chicken, an' whin Bridget hears the missus comin' she says 'whist!'"

## Deafness Cannot Be Cured

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by Catarrh, which is nothing but an inflamed condition of the mucous surfaces. We will give One Hundred Dollars for any case of Deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars, free. F. J. CHENEY & CO., Toledo, O. Take Hall's Family Pills for constipation.

## Doing True Work.

It is not by regretting what is irreparable that true work is to be done, but by making the best of what we are. It is not by complaining that we have not the right tools, but by using well the tools we have.—Ruskin.

## In a Pinch, Use ALLEN'S FOOT-EASE.

A powder. It cures painful, smarting, nervous feet and ingrowing nails. It's the greatest comfort discovery of the age. Makes shoes easy. A certain cure for sweating feet. Sold by all Druggists, 25c. Accept no substitute. Trial package, FREE. Address A. S. Olmsted, Le Roy, N. Y.

## Two Million Dollars Every Day.

The exports of manufactures of the United States averaged more than \$2,000,000 a day during the entire year, including every day in the calendar year.

## Who Likes Lemon Pie?

You should try at once "OUR-PIE" Preparation for delicious Lemon pies. A lady says: "I will never again try to make Lemon pie in the old way while I can get 'OUR-PIE' Preparation." Try it and you will say the same. At grocers, 10 cents. "Put up by D-Zerta Co., Rochester, N. Y."

## Trollope's Earnings as an Author.

As an author Anthony Trollope received \$500,000 during his lifetime.

## Pettit's Eye Salve First Sold in 1807

100 years ago, sales increase yearly, wonderful remedy; cured millions weak eyes. All druggists or Howard Bros., Buffalo, N. Y.

## It isn't easy to fool the man who knows himself.

## There is Only One "Bromo Quinine"

## That is Laxative Bromo Quinine

USED THE WORLD OVER TO CURE A COLD IN ONE DAY.

Always remember the full name. Look for this signature on every box. 25c.

W. L. Douglas

## PUTNAM FADELESS DYES

Color more goods brighter and faster colors than any other dye. One 10c package colors all fibers. They dye in cold water better than any other dye. You can dye any garment without ripping apart. Write for free booklet—How to Dye, Bleach and Mix Colors. MONROE DRUG CO., Quincy, Illinois.

## FOUR GIRLS

Restored to Health by Lydia E. Pinkham's Vegetable Compound.

Read What They Say.

Miss Lillian Ross, 530 East 84th Street, New York, writes: "Lydia E. Pinkham's Vegetable Compound overcame irregularities, periodic suffering, and nervous headaches, after everything else had failed to help me, and I feel it a duty to let others know of it."

Katharine Craig, 2355 Lafayette St., Denver, Col., writes: "Thanks to Lydia E. Pinkham's Vegetable Compound I am well, after suffering for months from nervous prostration."

Miss Marie Stoltzman, of Laurel, Ia., writes: "I was in a run-down condition and suffered from suppression, indigestion, and poor circulation. Lydia E. Pinkham's Vegetable Compound made me well and strong."

Miss Ellen M. Olson, of 417 W. East St., Keokuk, Ill., says: "Lydia E. Pinkham's Vegetable Compound cured me of backache, side ache, and established my periods, after the best local doctors had failed to help me."

## FACTS FOR SICK WOMEN.

For thirty years Lydia E. Pinkham's Vegetable Compound, made from roots and herbs, has been the standard remedy for female ills, and has positively cured thousands of women who have been troubled with displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, that bearing-down feeling, flatulency, indigestion, dizziness, or nervous prostration. Why don't you try it?

Mrs. Pinkham invites all sick women to write her for advice. She has guided thousands to health. Address, Lynn, Mass.

## SICK HEADACHE

Positively cured by these Little Pills.

They also relieve Discomfort from Dyspepsia, Indigestion and Too Heartily Eating. A perfect remedy for Dizziness, Nausea, Drowsiness, Bad Taste in the Mouth, Coated Tongue, Pain in the Side, TORPID LIVER. They regulate the Bowels. Purely Vegetable. SMALL PILL. SMALL DOSE. SMALL PRICE.

## CARTER'S LITTLE LIVER PILLS.

Die in open air seeking water

At Druggists—15c. a box. If yours wasn't it, send us 25c for one box or 50c for three boxes, prepaid.

Write us for package of "We've lost our job" Souvenir Post Cards, in five colors.

THE RAT BISCUIT COMPANY, 40 N. Limestone, Springfield, O.

## PILES

ANAKESIS is a certain relief. IS A SIMPLE CURE. Use at Druggists or by mail. Sample Free. Address, Tribune Bldg., New York.

A. N. K.—C (1908—14) 2224.

## W. L. DOUGLAS SHOES

\$3.00 SHOES AT ALL PRICES FOR EVERY MEMBER OF THE FAMILY.

W. L. Douglas makes and sells more men's \$2.50, \$3.00 and \$3.50 shoes than any other manufacturer in the world, because they hold their shape, fit better, wear longer and are of greater value than any other shoes in the world to-day.

W. L. Douglas \$4 and \$5 Gilt Edge Shoes Cannot Be Equalled At Any Price.

W. L. Douglas name and price is stamped on bottom. Sold by the best shoe dealers everywhere. Stock mailed from factory to any part of the world. Illustrated Catalog free to any address.

W. L. DOUGLAS, Brockton, Mass.

## IRRIGATED LANDS

WRITE US FOR BOOKLET CONCERNING IRRIGATED LANDS IN THE GREAT TWIN FALLS AND JEROME COUNTRY, IDAHO.

Altitude only 3700 feet above the sea level. Inexhaustible water supply, taken from the great Snake River, the seventh largest river in America. No alkali, no cyclones. 420,000 acres of the finest fruit and agricultural land in the West.

The man who wants a home where everything grows that makes farming profitable—on easy terms—or the man who wants land for investment should write us, as we quote nothing but absolutely reliable information. Address

H. A. STROUD & COMPANY, Twin Falls, Idaho

## 160 Acre FARMS IN Western Canada FREE



Typical Farm Scene, Showing Stock Raising in WESTERN CANADA

## WESTERN CANADA

Some of the choicest lands for grain growing, stock raising and mixed farming in the new districts of Saskatchewan and Alberta have recently been opened for settlement under the

## Revised Homestead Regulations

Entry may now be made by proxy (on certain conditions) by the father, mother, son, daughter, brother or sister of an intending homesteader. Thousands of homesteads of 160 acres each are thus now easily available in these great grain-growing, stock-raising and mixed farming sections.

There you will find healthful climate, good neighbors, churches for family worship, schools for your children, good laws, splendid crops, and railroads convenient to market.

Entry fee in each case is \$10.00. For pamphlet, "Last Best West," particulars as to routes, routes, best time to go and where to locate, apply to

H. M. WILLIAMS, Law Building, Toledo, Ohio.

## Money Making Possibilities

For the farmer, truck gardener, stockman and merchant were never better than they are today in the Dakotas and Montana along the new line to the Pacific Coast.

Mild climate; ample rainfall; productive soil; good crops; convenient markets; cheap fuel.

More stores, hotels and other industries are needed in the growing new towns on the new line of the

## Chicago, Milwaukee & St. Paul Railway

Trains are now operated on this new line to Lombard, Montana—92 miles east of Butte—with connections for Moore, Lewistown and other points in the Judith Basin. Daily service between St. Paul and Minneapolis and Miles City; daily except Sunday service beyond.

Send for free descriptive books and maps regarding this new country—they will interest you.

F. A. MILLER, General Passenger Agent, Chicago.

## \$4.66 Each Hen

Absolutely big profits raising poultry by our approved practical method. You make easily \$20 per month, \$100 per year, from 21 hens, or \$50 from 12 hens. Nothing to buy—no incubators or special appliances. Either man or woman can start our plan at once without assistance.

Not 21 days, as usual. With our complete book of instructions we send all descriptions, plans, illustrations, etc., in 10 minutes and endorsements of leading poultry experts, also a library of valuable information for all poultry raisers. Our price now is only \$1.00

MONEY BACK If you do not find this offer and outfit exactly as we claim, return it at once at our expense and get your dollar back, without question. This plan is worth a fortune to you. Don't delay.

THE ELWESON CO., 514 O. T. Johnson Bldg. Los Angeles, Cal.

## PARKER'S HAIR-BALSAM

Cleaves and beautifies the hair. Promotes a luxuriant growth. Restores Falls to Eastern Gray Hair to its Youthful Color. Cures scalp diseases and hair falling out. 50c and \$1.00 at Druggists.

## PATENTS

Wesley E. Coleman, Patent Attorney, Washington, D. C. Advice free. Terms low. Highest ref.

## THE DUTCH BOY PAINTER STANDS FOR PAINT QUALITY

IT IS FOUND ONLY ON PURE WHITE LEAD

MADE BY THE OLD DUTCH PROCESS

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