

## MINOT BAKERY

MINOT, N. D.

First-class baking guaranteed.  
Out-of-town orders promptly filled.

Give Us a Trial.

F. R. GRAMS, Prop.

## MAKE A FARM LOAN WITH US

You can pay off \$100 or any multiple thereof on the first mortgage after the first year. We are in a position to give you absolutely **The Lowest Current Rates**. Come in and talk it over or write us. Fill out this coupon:

I desire a loan of \$.....

on the following land:

Description.....

Value of land \$.....

Acres broke.....

Value of buildings \$.....

Name.....

Address.....

We also make City Loans at Lowest Rates

## FARM MORTGAGE AND INVESTMENT CO.

Second Floor New Optic Block, just back of the Second Nat'l Bank Bldg.

Phone 54 Minot, N. D.

## GROWING TREES IN DRY AREAS.

BY PROFESSOR THOMAS SHAW.

THE care called for in making a success of growing trees in dry areas is in a way proportionate to the dryness of the climate. It is also influenced by the character of the soil and subsoil. This paper will deal with conditions where the land is not underlaid with hardpan coming up near to the surface. Where the rainfall is short and where hardpan comes near the surface, it is very difficult to grow trees in the absence of irrigating waters. But fortunately these conditions are not very prevalent in really dry areas.

On the dry prairies of the West it is greatly important that trees shall be grown. These treeless areas are more or less wind swept. In the winter the absence of a protecting grove in such areas adds greatly to the discomfort of the inmates of the home and also to the discomfort of the live stock. While in areas that are very dry it is not to be expected that trees can be grown in large numbers and with marked success in providing lumber, they may be made in time to furnish posts and poles and also some firewood. The greatest end, however, by far to be served by them is to furnish protection against the winds. To furnish such protection should be one of the very first considerations of those who locate on the treeless prairie. It is in a way incomprehensible that so many allow long years to pass without taking any steps to protect the home in this way.

Many who plant trees in the dry country fail. They fail through the adoption of wrong methods. The plan is common to dig a hole in the prairie sod where a tree is to be planted. This means that the soil around that tree cannot be cultivated unless the cultivation is done by hand. This is too expensive and it is liable to be neglected. Trees can be grown on the prairie and bench lands where the annual rainfall exceeds twelve inches, but the work if it is to succeed must be done in a certain way.

When trees are to be planted in such areas, the ranchman should prepare the land the year before he plants. He should do so to allow the moisture to go down into the soil. The roots of a tree cannot go down into the soil in advance of moisture. He should do so to put the land in shape for future cultivation on the surface after the trees have been planted, and he should do so to make success more sure after the planting.

A strip of land should be broken on

two or three sides of the buildings. The grove should not be placed so near that snows will pile up against the buildings or in the yard, should they drift over the trees. The width of the strip should be gauged by the number of the rows of the trees, but it should be wide rather than narrow. It should be deeply broken and when the ground is quite moist. If the subsoil can be made to follow the plow the conditions will so far be improved. A dust mulch must then be kept on the land throughout the season.

The following spring the trees should be planted, and as soon as the ground is dry enough to be stirred without injury to the same. Open up a furrow, plant in the same willow cuttings about a foot long of the white or gray variety. Put these in say three feet apart. Slant them a little in one direction along the line of the furrow. Then fill in the earth around them and firm it, but leave about three inches of the cutting above the surface. The first row should be five or six feet from the outside of the broken ground. If a second row is planted it should be twelve to twenty-four feet distant from the first row, or if some other kind of tree forms the second row, it should be equally distant, as snow will pile in there. The trees should be of some quick growing kind, as cottonwood or Norway poplar, and they should be planted about twelve feet distant in the line of the row. Between each two of these

should be in the line of the same row, some slower growing tree as the green ash. Next row may be about ten or twelve feet distant, and the trees in it may be the same. Usually three or four rows will suffice. The soft, quick growing trees will force the slower growing to push upward and in due time the quick growing varieties may be cut out. All the trees should be planted when they are quite small, and the roots should be shielded from exposure to the air.

The ground should be cultivated like a corn field for several years. All weeds and grass must be kept out. Either will rob the trees of moisture. If asked how long should the cultivation be kept up, the answer is until the trees are large enough to form a mulch of leaves. The cultivation should usually be shallow, but if a crust should form three or four inches below the surface, it should be broken. The aim should also be to secure the trees somewhere near the same parallel.

## HOGGING-DOWN CORN QUITE PROFITABLE



Hogging Down Corn at North Dakota Experiment Station.

(By W. C. PALMER, Agricultural Editor, North Dakota Agricultural College.)

Hogging-down corn is becoming a common practice. It has been found that hogs make better gains if pastured in the corn than if the corn is husked and fed to them. Bulletin 143, Iowa Experiment station, gives the results in hogging-down corn. Data is presented from experimental work, and also from farmers. The farmers report that they get both more gains and more rapid gains when the hogs do their own husking. They have also found that the hogs make both faster and cheaper gains if they have a rape or alfalfa field along with the corn. The corn is not balanced. The rape and alfalfa furnish the nutrients required to balance it. In fencing good corner posts are put up, 26 inch wire netting is well stretched and tied to the corn stalks to hold it up. Our

North Dakota corn being smaller it may be necessary to use some posts and especially will this be the case if Squaw corn is used.

One hundred and fifty-eight farmers figured that they saved nearly seven cents a bushel by hogging-down their corn. In addition it saved storage room for corn, the land was manured and the hogs ate some weeds.

Many of the Iowa farmers sowed the rape in the corn field. In North Dakota, with a lighter rainfall, it will be better to sow the rape by itself. This will give both the rape and corn a better chance. It will also leave more moisture in the soil for next year.

The best variety of corn to use is the Squaw. This ripens early so the hogs can be turned in by the middle of August.

## WHY IT SUCCEEDS

Because It's For One Thing Only and Minot People Appreciate This.

Nothing can be good for everything. Doing one thing well brings success.

Doan's Kidney Pills are for one thing only. For weak or disordered kidneys. Here is Minot evidence to prove their worth.

Mrs. Jane Rowan, 665 E. First St., Minot, N. D., says: "I was a sufferer from backache and other kidney trou-

bles in a severe form for years. At times my back was so lame and sore that I could hardly get up after stooping down. There was a constant dull pain through my kidneys. The action of my kidneys was irregular. I used several remedies, but to no avail until I got a box of Doan's Kidney Pills. Their good effects were apparent at once. The pains stopped and my kidneys became normal. I am pleased to confirm all the praise I gave Doan's Kidney Pills in my former endorsement."

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. —adv.

## The A. A. Robinson Elevator Co.

### GRASS and FIELD SEEDS

Brome Grass without quack, Rye Grass, Montana Alfalfa, Home Grown Timothy, Southern Grown Siberian and German Millet; also Hog Millet, 99% pure. Northwestern Dent, Minnesota 13, and Dakota White Flint Seed Corn 99% germination, home grown; also Fodder Corn. Seed Wheat, Flax and Manshury Barley.. Grain Bags.

We have nothing but the best.

### All Seeds Tested for Germination and Purity

Special prices made to Clubs and Dealers

### FANCY CHICKEN FEED

CHICK STARTER and CHICK FEED

#### SURREY NEWS.

For unavoidable reasons no Surrey news appeared in these columns last week. We beg leave to note a few things that should have been in at that time.

On March 27, Surrey Literary Society met for the last time this season. An interesting program was given. Owing to the weather conditions, Dr. Yeomans was not present to deliver his lecture. The society adjourned to meet again in November.

The lecture by Rev. Hylton on Sunday evening at the Brethren church was very interesting and instructive. The attendance was good. This lecture was a continuation of those in the past on his work in China. He showed a large number of curios, besides several valuable pieces of silk embroidery. He also had with him several idols and described the different forms of idol worship. A collection was taken to go towards paying for a stereopticon which he will use later in giving illustrated lectures. Mr. Hylton has a large number of very excellent films, many of them in natural colors, which he had made for lecture work in this country.

Mrs. Olson entertained a number of her friends one evening last week. After a very pleasant evening's entertainment a dainty luncheon was served. All present report a jolly time.

Mr. Wisely and family now occupy the Earl McCallister house on the north side.

Surrey is having a "swell" time at present. A great many of her younger, and a few of her older citizens, are nursing swollen jaws as the result of an epidemic of the mumps. Most of the children's cases have been light. Mr. Tatlock is confined to his bed. Miss Zora Perry is teaching in his room this week.

The Surrey schools were given their Easter vacation last week.

Miss Sarah Trainer, a teacher in a consolidated school at Sherwood, visited with Miss Shirley the first of this week.

Elva Dierdorf returned from Fresno, Mont., Sunday morning. She reports the weather in Montana much warmer than here, the farmers having been at work in the fields for the last couple of weeks.

Paul Shorb's beaming countenance is seen around town again. He returned from the University on Saturday last for his Easter vacation.

Lloyd Fox is home from the University for his vacation.

A fine big boy was born to Mr. and Mrs. Leonard Hylton, April 6.

Mr. and Mrs. A. Wetmore have a new son.

Bert McEown returned last week from a trip to Montana. He went for the purpose of looking up a location. He came back very enthusiastic about the country and will probably locate somewhere in the vicinity of Scooby. He expects to go out the last of this week. Mrs. McEown and son Lancelot will remain in Surrey for the present.

Mr. Berg left for Montana on Monday evening to look up a suitable location for a branch store. He will be gone for several days.

Mr. and Mrs. Carl Elkers have a baby boy.

Mr. Ovre was brought home from the hospital last week. He is still confined to his bed and is improving very slowly.

D. M. Shorb was in Bowbells one day last week and while there visited at the home of Mr. and Mrs. Perring, former Surrey citizens. Mr. Perring has a good business there in an elevator and the family is doing nicely.

Rev. J. H. Gordon filled the appointment in the Brethren church at Brantford last Sunday.



## The Cost of Good Overalls

is not fixed by the price you put into them, but by the service they render. Perfect service means most comfort as well as most wear. It also includes good appearance. To secure greatest service, every workingman should insist upon

## Gloveralls

These working clothes give an unusually large amount of service, due to the way they are made.

There is more cloth in them than most manufacturers care to use. They have extra length and width in the seat and extra width in the hips and legs.

The severe strain at certain points is therefore done away with—and one of the biggest causes of dissatisfaction and discomfort removed.

Glover Overalls are better made and fit better than any you probably ever wore. They are better looking, too.

Hereafter ask for Gloveralls.

Come in and compare them with others you have seen.

## FRANK & GRAHAM CO.

### FOR SALE

Seven-room house (nearly new) near Normal School

### WALTER R. BOND

Room 1 P. O. Block Minot, N. D.

## OXY - ACETYLENE WELDING

Cracked Cylinders, Broken Crank Cases, Gears, Teeth and other metals

Can be successfully welded by our process

Prompt work and reasonable prices We will gladly demonstrate Don't throw the broken casting away

## MINOT WELDING COMPANY

East First street, opposite Bovey-Shute lumber yard P. W. WIEBE, Prop. MINOT, N. DAK

You don't pay any more for merchandise with Smallwood's due bills at the Grow Clothing Co. than you would with Uncle Sam's.

Pure bred Silver Laced Wyandotte Cockerels, Jersey bull calves and Russian Wolf hound pups for sale. W. N. Benson, Sawyer, N. D. 12-11-4mo\*

Special bargains in fanning mills, smut mills, seeders and harrows. A. I. Engebretson, at old Dale Implement house, Minot, N. D.

Buy harness for less than wholesale cost from A. I. Engebretson, at the Fred V. Dale Implement House, Minot. 2-5-4

## Farmers

Will find the Temple Court Cafeteria just the place they have been looking for.

Prices are very reasonable and only first class materials used in our cooking.

Come in and try our service and feel welcome.

P. W. MYERS, Proprietor.

## NEW TAILOR

Make Your Clothes Look Like New For a Very Little Money.

WE SPECIALIZE IN

Cleaning, Pressing, Repairing and French Dry Cleaning

Of Ladies' Fancy and Silk Garments. Give us a trial. We guarantee to satisfy.

## THE OUTLET CLOTHING STORE

Phone 570, 123 East First St. Opp. Leland Hotel.

Great Reduction on Men's Suits Goods Called for and Delivered.

Come in and have our

## NO DRUGS NO SURGERY NO OSTEOPATHY

### G. G. WOOD

J. JOSEPHINE WOOD CHIROPRACTORS

If you are sick and have tried everything and did not receive help, try

### CHIROPRACTIC

(Spinal) Adjustments and get well

Consultation and Spinal Analysis FREE

OVER ORPHEUM THEATRE Minot, N. D. Phone 342

Hours: 10 to 12; 1 to 5; 7 to 9