

## The Thirteen Towns.

By A. W. FOSS.

The Office of THE THIRTEEN TOWNS is on Stephens Avenue, Opposite Postoffice.

Entered at the Post Office at Fosston as Second Class Mail.

And the populists and dems didn't like that county convention of yesterday a little bit.

The republicans of Polk county can well be proud of the county ticket nominated at Crookston yesterday. Every candidate on the list is a credit to the party.

H. E. Mussey no longer controls the Press, of Thief River Falls. It will be changed to a democratic paper under the management of the Press Publishing Association.

With the reelection of Lewis Lohn and the placing of John Stephenson on the local school board, this important body of officials is held to its previous high standard of excellence and their election will be acceptable to all the citizens of our village, whether they attended the meeting or not.

Do not blame the local agent of the railway if he is somewhat strict about his freight business. Go to the company with your tale of woe for you will find on investigation that the agent is simply following explicit instructions from headquarters when he withholds your packages. It is very inconvenient for both business men and draymen to have the trouble they do now over getting out their freight, but the local representative of the company is powerless to do otherwise than he does.

### Notice of State Teachers' Examination.

Notice is hereby given that the semi-annual examination of teachers in Beltrami county for first and second grade state certificates will be held in the school house in Bemidji, August 6th, 7th and 8th, 1900.

All persons desiring to teach in the county before March 1st, 1901 who do not hold certificates which are valid until that time are requested to attend this examination.

Applicants for third grade county certificates will be examined at the same time and place.

Dated July 24, 1900.

F. JOHNSON DUNWOODY,  
County Sup't of Schools.

### ROSEBUD.

August Boldt returned from Germany where he has been visiting the past three months.

Albert Iten is preparing Mr. Luchau's threshing engine for use.

Mr. and Mrs. Utiek were visiting Wm. Reed's last Sunday.

Mr. and Mrs. V. Hartley were visiting friends at Hansville last Sunday.

The dance at Albert Folstrom's last Saturday night was well attended and all had a good time.

Mrs. Tracy Noel was visiting Mrs. W. Luchau Saturday and Sunday.

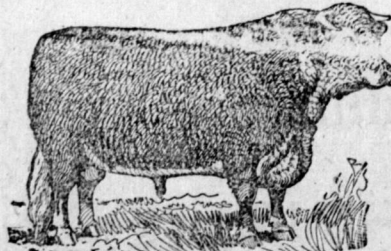
We were glad to see Mrs. Eaton at Hansville. Come again Mrs. Eaton.

### IS IT RIGHT

For an Editor to Recommend Patent Medicines?

From Sylvan Valley News, Brevard, N. C.

It may be a question whether the editor of a newspaper has the right to publicly recommend any of the various proprietary medicines which flood the market, yet as a preventive of suffering we feel it a duty to say a good word for Chamberlain's Colic, Cholera and Diarrhoea Remedy. We have known and used this medicine in our family for twenty years and have always found it reliable. In many cases a dose of this remedy would save hours of suffering while a physician is awaited. We do not believe in depending implicitly on any medicine for a cure, but we do believe that a bottle of Chamberlain's Diarrhoea Remedy were kept on hand and administered at the inception of an attack much suffering might be avoided and in very many cases the presence of a physician would not be required. At least this has been our experience during the past twenty years. For sale by P. M. Mark.



Cattle Market Every Saturday.

I will buy cattle at my livery barn every Saturday during the summer until further notice, paying therefor the highest market price in cash. Bring them in on Saturday.

J. E. CAMPBELL,  
Fosston.

### Prof Hoverstad on Farming.

The following article is compiled by Prof. T. A. Hoverstad of the Crookston Experimental station:

Cropping fields continuously to spring grains eventually brings disaster. Crop rotation is being rapidly forced upon us by necessity. While the Red River Valley is admirably adapted to grain growing, we have a variety of grasses and cultivated crops which rest and prepare the soil for grain and may be profitably grown in alternation with the grains. Wheat, oats, flax and barley form collectively only one of the three classes of crops to be provided for in the rotation. Timothy, Brome grass, the clovers and other grasses form a second class of crops. Corn, sorghum, millet and rape and other cultivated and annual forage crops form the third class.

Alternating the grain crops with each other is not worthy the name of rotation, because these crops, instead of preparing the land for each other, make it more weedy every year and less prepared for grain. Grain prepares the land for grass, serving, as it does, as a nurse crop with which to sow the grass during the first year when it is only starting its growth. The grass, after lying one or more years, has again prepared the land for grain. The grass also prepares the field for corn, or other cultivated crops, and these in turn admirably fit it for other crops of grain. In a general way, we can have a rotation of grain followed by grass, and this followed by cultivated crops; then, returning to grain, again repeat the three-course rotation. Since the grass is usually left two or three years, this would not give a large enough acreage of grain, with all fields under the rotation, unless the grain also were grown for two or three years in succession, and this is often advisable while the land is new, weeds not too numerous, and there is not sufficient stock to utilize large quantities of roughage.

The following general plan will often be found useful: Grain one or two years, grass two or three years, grain two years, cultivated crop one, then returning to grain repeat the six-year rotation. The grain before the grass may be reduced to one year by seeding grass seed with the first crop of grain after the cultivated crop, thus making the grass period three years. If the grass seeding fails to make a stand, which will occur occasionally, grain may be sown on the same field the second year, again seeding to grass, and thus reducing the grass period to two years.

The real starting point of a rotation is the introduction of live stock. The grasses and cultivated crops cannot well be marketed except they be first reduced by animals and condensed into live stock products. And with the roughage must be fed part of the grain and the by-products of the grains, thus keeping on the farm much more of the fertility abundant in our soils, but not so inexhaustible as to warrant ruthless waste by shipping to our eastern or foreign competitors. Rotation of one grain with the others, without crops for live stock, is not true rotation.

At first a small amount of the farm may be included in the rotation. Later on other fields may be added, as the increase of live stock makes it practicable to do so. A plan of rotation should be adopted and then adhered to in a general way. In the year when grain occurs, that crop which promises the best returns may be selected, whether it be wheat, oats, flax or barley. Attention should be given to the choice of a combination of crops which will best utilize the labor for the entire season, and will not too much congest the labor of busy seasons, as seed time and harvest. Thus, for a five-year rotation of wheat, clover with timothy two years, flax and corn might suit many farmers, since these crops follow each other nicely, and provide a succession of work for men and teams. A system of experiments on crop rotation and field management has been begun at Northwest Experiment Farm, in cooperation with Prof. W. M. Hays at University Farm. In the spring of 1899 sixty plots were set aside for this purpose. A separate rotation is planned for each plot. In the effort to find how best to arrange the crop rotation for this district the crops each year are carefully measured and valued for market and feeding. The effect of each crop on the land is studied, and also its effect in making the land more or less weedy. Since only one year's results are as yet available, no report can now be made. The North Dakota Experiment station at Fargo has also in progress work on crop rotation and field management. Many farmers in the Red River Valley, likewise, are working out systems of field and farm management in a most practical way. These will all be constantly studied in connection with the experiments at Northwest Experiment Farm, as will also the past and current work in other states and in foreign countries. The facts, so far as available from all sources, warrant the following statements:

(1) Farmers in the valley very much underestimate the value in ultimate net profits of live stock and the crops necessary to feed them when grown in rotation.

(2) Cultivated crops and grass crops, as a rule, better prepare the land for grain than does the fallow, and is the end pay better if judiciously fed to live stock.

(3) Timothy and clover, if not at once,

after a few trials are so successful as to be very useful in short rotations with wheat, flax, oats and barley.

(4) Minnesota dent corn grown for fodder, when about one bushel of seed per acre is planted, is a very valuable hay crop, and admirably prepares the land for grain.

(5) Sorghum and rape are very useful on the land. Instead of leaving it fallow they make excellent pasturage, and put the soil in fine condition for grain.

(6) The variety of grain used counts for much in the yield, but the preparation of the soil by previous crops in the rotation means much more.

(7) The farm should be laid out with definite fields, and these should be enclosed with fences, some of which may be movable, and the crops rotated in regular and systematic order.

(8) Since stable manure often causes the grain to lodge on the very rich, moist soils of the Red River Valley, it should be (a) applied to the previous crop; (b) deposited in level piles three feet high, so as not to firefeng; (c) and always be applied thinly, about 10 two-horse loads per acre, so as to get the good effect without the over effect which causes the grain to lodge and not fill well.

(9) On farms where the rotation, manuring and good cultivation of crops are properly combined and attended to the strong growing crops help to smother the weeds and even French weed, mustard and wild oats lose their terrors.

(10) The business of live stock breeding and co-operative dairying in the Red River Valley needs organizing and promoting, in order that the most necessary element in our farm business—live stock production—may be encouraged, built up, and wonderfully developed.

### Catarrh of the Head.

Bunsen's Cream Catarrhal is a preparation scientifically compounded for catarrh, Hay Fever and Cold in Head. If you have catarrh try Bunsen's Cream Catarrhal. It cleanses, soothes and heals the diseased membranes and positively cures catarrh. Try it today. Fifty cents per box. Every box warranted.—Ed. Roud.

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Bagley, Minn.

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### Notice.

Department of the Interior, United States Land Office, Crookston, Minn. notice.

Notice is hereby given that in pursuance of instructions from the Commissioner of the General Land Office, under authority in him vested by section 2125 U. S. R. S., as amended by the act of February 25, 1895 (28 Stat., 687) we will proceed to offer at public sale for cash at this office, on the 22nd day of August 1900 at 10 o'clock A. M. the following tracts of land to-wit:

Lot 7, sec. 19, lot 1, sec. 20, twp. 18 N., r. 38 W.

Any and all persons claiming adversely the above described lands are advised to file their claims in this office on or before the day above designated for the commencement of the sale otherwise their rights will be forfeited.

Dated July 21st, 1900.

SYLVESTER PETERSON, Register.

## FIRST STATE BANK OF FOSSTON

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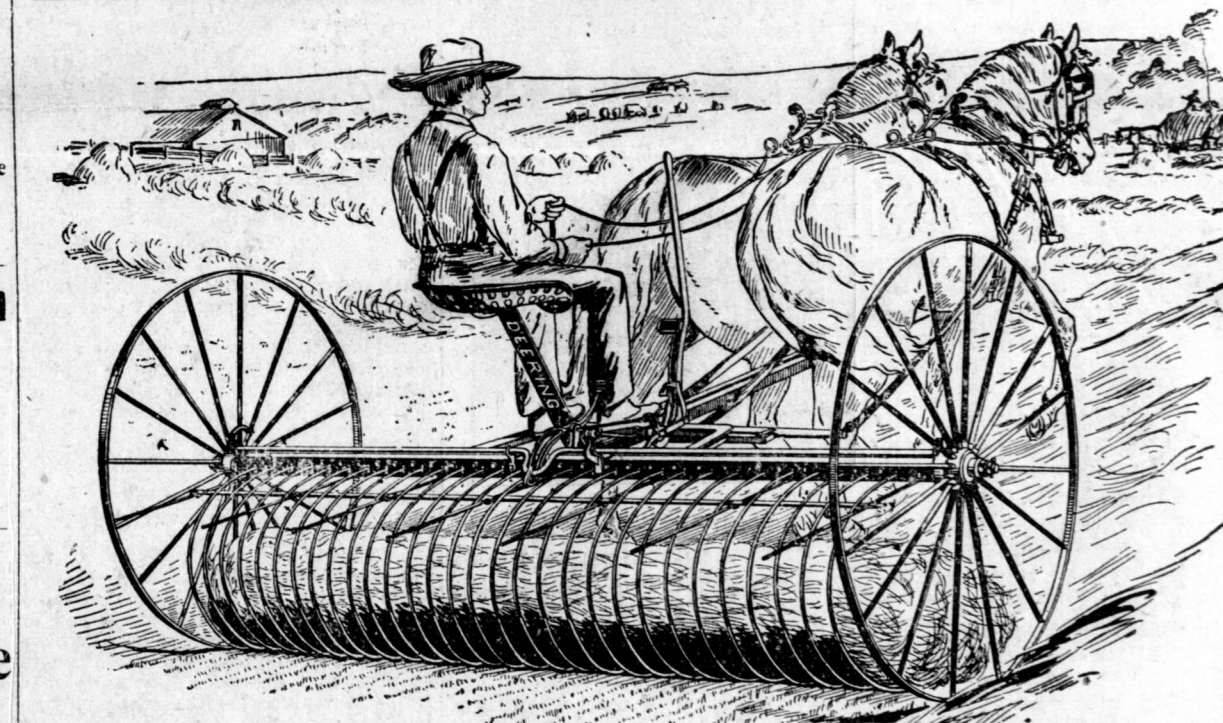
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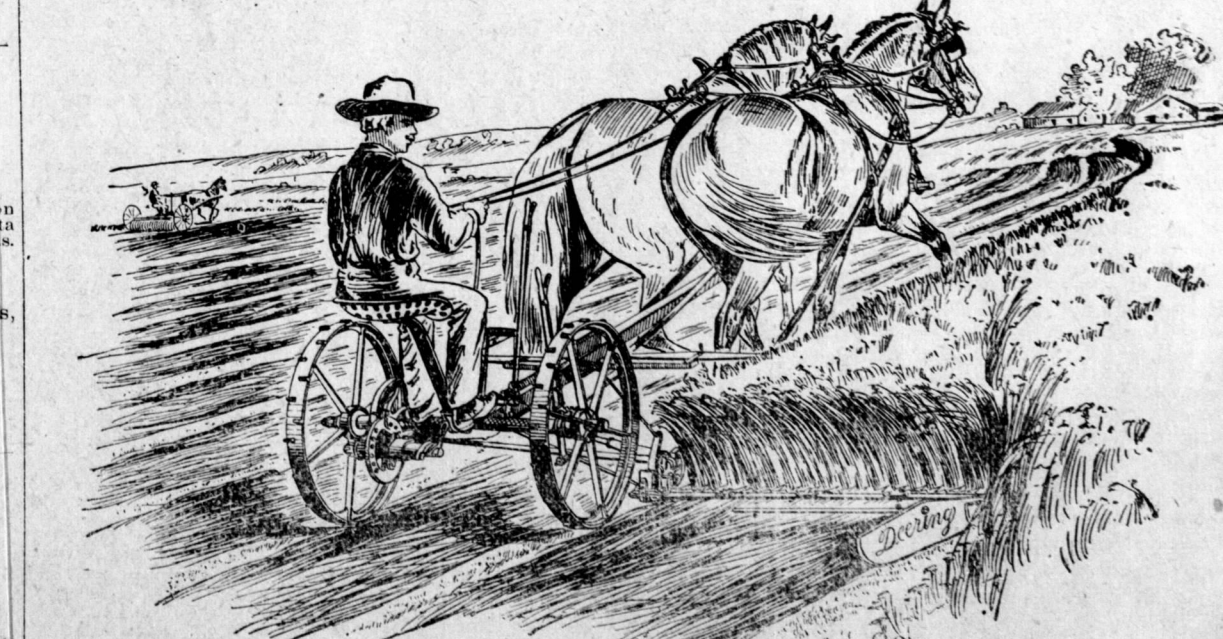
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P. S. EUSTIS, Gen'l Pass. Agent, Chicago, Ill.  
GEO. P. LYMAN, Ass't Gen'l Pass. Agent, St. Paul, Minn.



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