

POTASH DEVELOPEMENT AT TOWN OF MERRIMAN

State Director of Conservation and Soil Survey Visited Merriman Last Week.

(From Merriman Maverick, Aug. 2) Last Friday evening we had a visit with Dr. G. E. Condra, director of the Nebraska conservation and soil survey, who has in charge practically all of the state's investigations of the potash resources and who was in Merriman last Thursday and Friday, looking over the lakes and the potash plant now building at this place. Dr. Condra is favorably impressed with the potash possibilities of this part of the state. He visited many of the lakes and talked in detail with Mr. Kreiss regarding the plant. The state maps which were made a few years ago were used in the field trips. Mr. Brown and Mr. Williamson, of the survey department of the potash company, accompanied Dr. Condra in the field, and the company's maps were used also in showing the location and area of the lakes. Dr. Condra arranged while here to complete a detailed map of the Merriman region, the work to be done in co-operation with the engineers of the company.

When asked in regard to the potash resources of Nebraska, the doctor explained them in detail. He discussed the origin of potash, the methods of prospecting, of pipe lining, of production, etc. He was very favorably impressed with Hathorne lakes and the smaller lakes which lie immediately to the east and southwest of this and stated that there are sufficient potash resources here to warrant the erection of a plant. He said also that each of the many other lakes held under lease by the company should be prospected by wells as soon as possible, and that this prospecting should show additional potash, probably enough to insure the erection of another plant.

The waters from the lakes to be used by the company have in many cases been analyzed at the state university under the direction of the state conservation and soil survey. They show well in solids and potash. Estimates have been made of the amount of potash available in lakes tested by wells and by chemical analysis. The state has found the field work to have been done with a high degree of accuracy and does not deem it necessary to carry on additional test investigations to check the work of the potash company.

The potash resources of Merriman lie in several districts. There is a group of lakes to the southwest of town and a larger group to the northwest, lying to the north of Irwin, and several lakes to the northeast of Merriman—numbering in all about seventy. Only a small part of these have been fully investigated as to the brines which are thought to occur in the lake beds.

Dr. Condra was favorably impressed with the progress made in the construction of the plant. He saw the contracts which have been let for pipe line materials, the laying of pipe lines, for pumps, well machinery and for the evaporators, driers and other equipment in the plant proper. He stated that Mr. Kreiss, the manager, has shown more than usual ability in the preliminary work of

constructing a plant, and that he has made good progress in the construction work. The foundation for the plant is practically completed and some of its superstructure is now being built. In many places difficulty is experienced in the purchase and delivery of the various kinds of equipment necessary for potash plants. All these have been overcome at Merriman. Even the orders for fuel, oil and coal have been placed. Some of the materials of construction and some of the machinery have been received.

In answer to the question regarding the future of the potash industry of Nebraska, the doctor gave information in regard to the amount of potash used in the United States, and the extent of production in Nebraska. Nebraska is said to produce more than 70 per cent of the total output in our country. The future of the potash industry will be bright, even for a few years after the close of the European war. The transportation facilities of our country will be used for other purposes than the importation of potash for a few years after the war. This will mean that German potash cannot be imported for a long time after the war. The demand is much greater than can be met by domestic production, hence the price will remain high. The production of potash from silicate rocks and from other available sources, if increased, will not seriously interfere with the price of the Nebraska product.

The Nebraska potash is said to be more popular than the German product, and is now held in high favor in the southern and southeastern states, where much of it is shipped for use in agricultural production. This potash is absolutely necessary for agricultural development in those states, and is therefore a factor in winning the war.

The director of the survey said that the prospects at Merriman are very good; that he was surprised to see the progress which has been made here. He spoke favorably of the management, especially in its ability to secure the equipment for a large plant, and to do so at this time when some of the plants building are being held back on account of the inability to purchase materials and machinery. Another favorable condition at Merriman was mentioned in the distribution of lakes, and in the fact that most of the pipe lines to these lakes can be laid along valleys down grade to the plant.

The potash plant at Merriman will be of great benefit to the town and to the surrounding country. It will call for the erection of a number of buildings and the population of the place is sure to increase. As an example, the director of survey said that he seen Lakeside grow from three houses to a town, and that Antioch grew within two years from nothing to a town of nearly four hundred houses; that Holland grew up on a sand hill, and that the potash district along the Burlington has been a great stimulus to the business of Alliance.

The state's photographer accompanied Dr. Condra on his trip to Merriman and took views of the plant in its present stage of erection. Views will be taken later to show the stages in the erection of the plant to completion and the growth of the town.

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I WILL PRAISE IT AS LONG AS I LIVE

Omaha Woman Says She Cannot Find Words to Express Her Gratitude for Tanlac.

Mrs. Lillie O'Riley, who resides at 4723 South Twenty-fourth street, Omaha, is still another whose deep sense of gratitude and desire to benefit others will not permit her to remain silent regarding the remarkable results she has obtained from the use of Tanlac. Mrs. O'Riley is the wife of F. W. O'Riley, manager for the Adams Express in South Omaha, and their many friends will be glad to learn of her recovery.

"I cannot find words," said Mrs. O'Riley, "to express the gratitude I really feel for what Tanlac has done for me. I had been almost an invalid for so long that I had about lost hopes of ever getting well. My stomach was in such a bad condition that I could hardly eat anything, and I suffered from indigestion and nervousness all the time. My feet were so affected with rheumatism, that I couldn't walk for a long time. I also had it in both elbows so bad I could scarcely bend over. I was confined to the house nearly all the time and while I tried everything I could think of nothing seemed to do me any good.

"That Tanlac has relieved me of all these troubles, tells the whole story of what a wonderful thing it has been for me. In fact, it has made me feel like a new woman. I don't have any more pains of any kind, and am feeling just fine. My appetite picked up almost as soon as I began taking it, and now it seems I just can't eat enough without making a pig of myself, and everything I eat agrees with me perfectly. I can get about splendidly and my strength has increased until I can do all my housework. I can lay down early at night and sleep like a log until morning and my nerves are as steady as a clock. I have taken only three bottles of Tanlac so far, but I have gained several pounds in weight already and I feel that I have a new lease on life. I will praise Tanlac the longest day I live, and I'm more than glad to tell anyone how it brought me out and restored my health."

Tanlac is sold in Alliance by F. E. Holsten and in Hemingford by Olds Drug company.

STATE FAIR WILL STRESS DOMESTIC PRODUCTS

Nebraska women need but to take their men folks into the domestic products building at the state fair to find the most direct route to their hearts which route some well informed lady has stated in by way of the stomach. Likewise, it may be stated, to take a man to this exhibit will, in some cases, be running a good chance of losing him to a more clever artificer.

No place are better "eats" to be found than are on display at the Nebraska state fair. The finest products of the best cooks in Nebraska compose an exhibit that strikes at "mere man's" most vulnerable spot. Really, it isn't fair to hit below the waist line—but they do it. Before the domestic products exhibit the average man stands helpless. Achilles and his pet heel had nothing on Mr. Average Man's pet stomach as regards vulnerability. The state fair extends all Nebraska wives an invitation to visit the domestic products exhibit and there learn the most up-to-date and approved methods of retaining the affections of husbands or, if not yet to that stage, of making an actual husband out of a prospect.

The Nebraska state fair stands without a competitor in its box exhibit and with the added encouragement this year of a new \$100,000 barn in which to show the horses at the fair, this interesting exhibit should out-do itself.

FARM STOCK

STRAW FOR FEEDING CATTLE

Indiana Experiment Station Conducted Experiment to Test Value—Various Rations Given.

(Prepared by the United States Department of Agriculture.) In an experiment conducted at the Indiana experiment station to test the feeding value of oat straw it was found that a ration of corn silage, corn, and cottonseed meal was just as valuable



Superior Beef Type.

for economy and extent of gains when used with oat straw as when fed with clover hay. As such a ration is extensively used in various parts of the United States its practical value can readily be seen. Straw and stover are especially valuable for the wintering of breeding herds of beef cattle, and should form a large part of their feed. Rations suitable for different classes of beef cattle are as follows:

Rations for Breeding Cows.

- Ration 1: Straw, 10 pounds. Silage, 20 pounds. Cottonseed or linseed meal, 1 pound.
- Ration 2: Straw, 20 pounds. Cottonseed or oil cake, 2 pounds.
- Ration 3: Straw, 10 pounds. Shock corn, 10 pounds. Cottonseed meal or linseed meal, 1 pound.
- Ration 4: Stover, 25 pounds. Cottonseed or linseed oil meal, 1 pound.

Rations for Feeding 1,000-Pound Fattening Steers.

- Ration 1: Straw, 5 pounds. Silage, 15 pounds. Corn, 12 pounds.
- Ration 2: Straw, 8 pounds. Legume hay, 6 pounds. Cottonseed cake or linseed cake, 1 pound.
- Ration 3: Stover, 10 pounds. Silage, 15 pounds. Corn, 12 pounds.
- Ration 4: Straw, 5 pounds. Stover, 15 pounds. Corn, 5 pounds. Cottonseed meal, 3 pounds.

In these rations various other feeds may be substituted. In the rations given for wintering breeding cows definite quantities of straw and stover are given. In actual feeding such figures should be somewhat disregarded and the cattle given as much roughage as they will consume.

Yearlings may be fed three-fourths the ration for breeding cows and may be expected to come through the winter in fair to good condition.

For fattening animals straw should always be within reach so that the animal may eat at will. They will usually eat from three to five pounds daily.

ATTENTION TO COLT'S FEET

Examine Them Carefully Whether on Pasture or in Barn—Keep Toes Properly Trimmed.

Look frequently at the feet of the colts, whether on the pasture or in the barn, and remedy things before they get bad. Keep the toes trimmed down to the proper length and do not allow the heels to run over and get round. If the feet are kept rounded on the toe and of the proper length, the tendency to split and crack will be reduced to a minimum. In the stable the feet should be frequently cleaned and trimmed and the frog kept in its proper shape.

SOUND ROUGHAGE FOR SHEEP

If Carefully Fed and Pastured Alfalfa is Excellent for All Classes of Live Stock.

Alfalfa, if carefully fed and pastured, is one of the best roughages for sheep. The rapid increase in the production of alfalfa in the United States during recent years has resulted in a more careful study of its possibilities as a food for all classes of live stock. Formerly it was used primarily as a cattle feed, but now it is used as a feed for horses, swine and sheep.

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AUGUST BULLETIN OF SUMMER TOURS

ROCKY MOUNTAIN NATIONAL-ESTES PARK is proving its popularity as an attractive tourist locality. Colorado resorts are quickly and economically reached.

THE CODY GATEWAY OPENED: Yellowstone Park tourists will be pleased to know that the Cody scenic automobile road to Yellowstone Park is in operation. Autos, in connection with the "Permanent Camp Way," leave Cody every morning at eight o'clock for the Canyon.

GLACIER NATIONAL PARK, scenically famous, the climax of Rocky Mountain grandeur, will be open throughout the Summer. The usual resorts and ranches in the Big Horn Mountains, the Black Hills and along the Cody Road through the Absaroka Mountains are all open and will give you a most hospitable welcome.

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