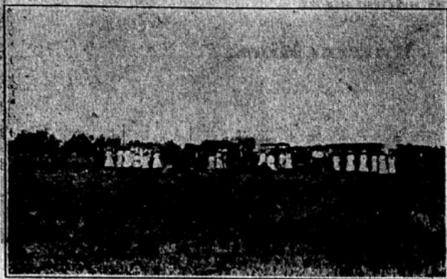


spite of the dry season, thus proving that with good tillage to conserve the soil moisture, a good crop may be produced even with a small amount of rainfall.

OUR VARIOUS PLOTS

A number of tame grass plots were started this spring with barley, winter wheat and flax as nurse crops. We have the best stand of clover where flax was used as the nurse crop, due to the fact that the



Over sixty school children visiting the School Farm at Warren and looking over field where the winter wheat grew so well during the summer of 1913. This winter wheat was sown among the cornstalks in the fall of 1912.

flax allows more sunlight to reach the ground. We are starting these tame grass plots because we believe more tame grass should be grown in this locality.

Along the road may be seen a splendid three-fourths acre plot of alfalfa which was sown three years ago. The first cutting this year from this plot yielded 2650 lbs. of excellent hay. The second crop will be cut for seed. Just at present it is a beautiful field of blossoms that have invited the busy bees from far and near to come and taste of their sweetness, for the alfalfa is an excellent honey producer. The bees are not only gathering nectar from the blossoms but in so doing are aiding the fertilization of the flower. They are not only receiving but are giving far more than they receive. Were this not the case we should charge rent to the bee keepers in this vicinity.



The class in Animal Husbandry, while on their judging trip.

We have had no experience raising alfalfa seed but shall report later the results of our experiment this year. It would seem that any farmer in this locality might with profit sow a few acres of alfalfa but when you do this sow it on good ground that is clean and in good condition.

A one-tenth acre plot of Russian corn was planted early and will be ripe during this month. It is a new species of corn and is very early to mature.

A plot of pure seed Marquis wheat has been harvested and will give a large yield.

Three plots of flax (choicest varieties) are nearly ready for the sickle. The seed raised on these plots will be absolutely pure and of high grade.

The plot of Durum wheat stands



The picnic party, looking over the garden belonging to Ralph Rue, one of the boys in the school garden contest.

fully four feet high. The heads are long and filling well. It will soon be ready to harvest.

We also have two plots of Minnesota No. 13 and No. 23 corn from both of which we expect to gather early, the best ears for seed.

Besides these plots we have devoted a half acre to onions, man-

gels, beets, navy beans and squash. All these promise to yield an abundant crop.

HOME GROWN VS. IMPORTED SEED CORN.

We planted this spring a five acre field to Northwestern dent corn. Part of the seed was home grown and part of it was raised near Fargo. All was planted the same day in exactly the same kind of soil. All received the same care.

On July 25th the corn raised from home grown seed was all tassel and eared while scarcely a single stalk of that grown from the imported seed had even tasseled. At this writing (Aug. 11) the former is in the roasting ear stage while the latter is just beginning to form ears. The former will doubtless mature 10 days sooner than the latter (providing the imported seed matures at all).

An object lesson of this kind ought to teach every farmer to go out into his corn field and pick his earliest and best ears for seed as early as it is fit to select. Some farmers in this locality are doing this and are maturing good corn nearly every year. Those desiring to raise a large ear of green corn may import the seed while those wishing to raise a smaller ear of ripe corn must use home grown seed, and the best home grown seed

is that raised on your own farm.

SCHOOL GARDENS

The thoughtful educator realizes that a very large part of a child's education must be received outside of the four walls of the schoolroom. The most effective and lasting education is the one that makes the pupils handle, discuss and familiarize himself with the real things about him. How helpless is not the girl or woman in her house-keeping who in her childhood has neglected to make good bread. Equally helpless and vastly more ignorant is the man who as a boy loafed on the street and hung around town with nothing to do all summer long. Gardening offers a splendid opportunity to every boy

and girl to learn the very best things in life, things for which some of us, and in fact most people, have to pay big prices. A gardener early learns to be patient, prompt, regular, honest and to work in harmony with the laws of nature and our God. The garden is the favored spot of



Class of Warren High School Selecting Prize Wheat for A. D. Vansickle.

the home, where old and young alike can find recreation and enjoyment. To the office man it affords a change from the regular routine of the day and it is a place to which every mother turns for the free out of doors. This is perhaps the least, for gardening has become the children's delight.

Early this spring fifty school gardens were laid out and the children looked forward with keen interest to the time when they should be permitted to go out with a spade and a hoe. It is quite a privilege to watch the happy crowd, some day in April or May, as they wend their way toward the school gardens, singing and whistling, for now they have

the community, the ladies and gentlemen in whom you can well afford to take some interest. People are taking interest, too. They visit us, talk about our work to others, take us out in their automobiles to visit our neighbors in the country and there prepare a picnic for us in a beautiful grove on the farm. What more could we ask for? People have certainly been kind to us and we appreciate it too.

If this spring some one had come up and told me that eleven autos would soon line up in front of the school farm to take the children out into the country for a forty mile trip, visiting thirty school gardens there, I would have doubt-

birds sit in the trees. There was an auto that rode into the ditch and one of the girls got hurt a little. We had a good time. I saw many ducks and they were pretty and they were over to Morkassel's, and I think the ducks were nice. I enjoyed the picnic very well and I had a pretty good time. I think that Morkassel's school garden was very nice and there was sand to keep the moisture. Clara Kammerer's school was the nicest of all the gardens. She hoed and there was manure and sand to keep th moisture.

Yours truly,
Mable Jorgenson.

FROM DISTRICT NO. 29

On a Trip to See the School Gardens

"The day we spent auto riding around the country, looking at the school gardens, we saw many new and interesting things. What interested me the most was the way each pupil had cared for their garden and the order in which they had planted it.

After we had seen many of the gardens, we all went to Carlson's to eat our dinner. Some of us sat in the autos and some sat on the ground. On the way two small accidents happened, two of the autos, one was punctured and one ran into the ditch. There was no one hurt and we soon started again.

Yours truly,
Gunner Bodell,
District No. 42.

Warren, Minn., Aug. 4, 1913.
Director of Agriculture,
Warren, Minn.

Dear Sir:

We met at the school farm at 7:45. As soon as possible we went to the field, in among the shocks

and had our picture taken. We then scattered among the gardens and had our picture taken again.

We took the road east and then north. Dan Ayre's auto leading. The first farm visited was the Morkassel farm. We visited many gardens in the forenoon and some looked a good deal better than others.

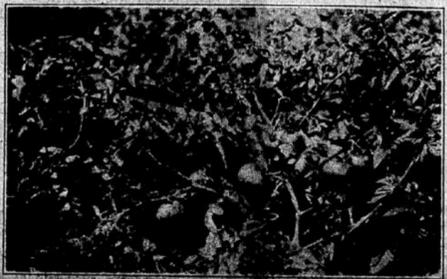
The first accident was the puncturing of Mr. Bystrom's auto tire, the second Mr. Wilson's car going into the ditch. Mr. Ayre's car was ahead and going very fast and Mr. Wilson's car a short way behind also going fast. Mr. Ayre's went over the bridge and tried to slow up when he looked back and saw Mr. Wilson's car coming so fast. He then turned on all his gasoline, which smothered his engine and stopped. Mr. Wilson's car was going so fast that he could not stop it so he either had to run into the ditch or into Ayre's car, so he took the former. Luckily nobody was hurt badly.

We had our lunch in Carlson's grove and heard some songs and speeches.

The best gardens, or the ones that I thought were the best, were Morkassel boys' and Clara Kammerer's gardens. I think these were the best because they had been hoed well thru the dry season and because things were growing well and had been kept free from weeds.

Yours truly,
Gladys Mitchell.

(Continued on page seven)



Ripe tomatoes on the vine, July 25, 1913. Raised by Supt. E. M. Mitchell.

room, not only that, but they are to have a piece of ground (10 by 30 ft.) which is to be their own. Here they will have the opportunity to plant five or more kinds of vegetables and some flowers, if they like. The child who can not have a school garden is to be pitied, for here is the place where joy is mingled with work and where the sunny spring and summer smiles into the glowing faces of children.

Where are the schools that neglect this very important work? In the shade with the back numbers and a good many are surrounded with weeds. If you don't believe me, go and see for yourself. The garden plot is small, you say, and don't amount to much. Then,

ed his assertion. A little later, however, when the request was made for this outing, the business men of Warren responded cheerfully and the trip was made on the 30th of July which, to my knowledge, is the first of its kind in the state.

Shortly after the trip into the country was made, I called for a report from each child having a school garden. Each one was furnished a certain number of questions to answer and was also requested to write a letter in regard to the picnic and what they saw and learned on the trip. Nearly all of the children from the country have responded cheerfully and so have the children who live in



Another view of the 1913 class in farm crops, counting up the results from the germination test of Minnesota No. 23 corn. A few of them are thinning out the plants for the garden.

too, what may seem small and trivial to grown folks is not so considered by children and as they grow their work generally grows in proportion. From these small beginnings they will go on to the larger tasks of raising the best corn, alfalfa, chickens, hogs and cows. These gardeners are going to be the future farmers and business men of

town done. All of these children's letters are very interesting and I wish that we could print them all. Space, however, is too limited for that, but we will print one from each district, and as you read these letters, I am quite certain that you will congratulate the authors for the splendid work that they are doing and will do, and I hope that a much larger number will avail themselves of this splendid opportunity the coming year.

Sincerely yours,
—O. N.

FROM DISTRICT NO. 7

By Mable Jorgenson

I think it was lots of fun on the auto trip around the country. I thought that the fields were pretty on that trip. I saw some pretty



Two pure bred Plymouth Rocks, from the flock belonging to Mr. W. O. Braggans, Warren.