

## TEACHING FARMING

Realizing the fact that most farmers' sons cannot afford to spend the time and money necessary to complete a college course the university authorities have established a short course, beginning December 7 of this year and ending March 28. The teachers in this department assume that the students are already versed in plowing and milking

There are few farmers' boys even at the present time in Nebraska who cannot afford to pay the sum stated for a scientific impetus which will set him ahead of his predecessors faster than time would naturally urge him. The term occurs at a time when there is little farm work. If he apply the knowledge gained the very next sea-



TAKING PULSE OF COW.

and sowing by the various methods. The projected course consists of the following subjects:

- Stock feeding and farm dairying.
- Laboratory work in milk testing.
- Diseases of farm animals and their treatment, with practical demonstrations.
- Breeds of live stock.
- Judging of horses, cattle and swine.
- Fruit growing and vegetable gardening.

The student does the work as he makes experiments in a laboratory, in the same spirit and for the same purpose.

Nebraska is an agricultural state and is prosperous or impoverished as the grain grows or withers. That the state should spend money on finding out and teaching the nature and conditions of soil is a hopeful sign.

The twelve weeks necessary to complete this course will cost:

|                                     |         |
|-------------------------------------|---------|
| Matriculation fee.....              | \$ 1.00 |
| Books, etc.....                     | 3.00    |
| Room rent, twelve weeks at 75c..... | 9.00    |
| Table board 12 weeks at \$2.....    | 24.00   |

\$37.00



HYPODERMIC INJECTION.

energies to pull and shove and beat for him. Professor Lyon in himself represents the farmer of the future. Alert, cultured, taking advantage of every hint experiment offers. Aside from the immediate and practical benefit of the experiments in soil, in vegetables and on stock there is the spirit's growth of more importance than all material things. The agricultural students who are not always farm. Their work is done in the laboratories of the university. There they get the first insight into scientific study and fall into the attitude of investigators willing to try all things with patience and watchfulness; they have access to the library which, if they use, even for twelve weeks, will add the visions of all ages to theirs. When Prof. Lyon has taught them by a slight, muscular turn of the wrist to accomplish a day's plowing they will go home with the intention of returning to read some books and learn more prestidigitator tricks.

S. H.

son will more than return the amount of the investment. "The day has passed in farming when rule of thumb practice and the methods of passed generations will bring success. If farming is anything more than manual labor, education and special training will be an aid to their possessor."

"In the course of soil tillage the nature and conditions of soils will be studied particularly with regard to their relation to moisture. The effect of tillage upon the soil, and thus indirectly upon the plant will be explained, and likewise the effect of cultivation. The methods of soil treatment for the conservation of moisture will be dwelt upon at length. It is estimated that nearly one-half of the moisture lost by evaporation may be saved to the use of the crops by the proper methods of soil treatment. As most of the soil moisture passes off in this way it is evident that a proper understanding of the subject will enable the farmer to reserve large quantities of water for the use of his crops, which in dry seasons may mean the difference between success and total failure." Professor T. L. Lyon who conducts this department has by these changes taken up the school of agriculture bodily and set it right down in the midst of the farms of Nebraska. No future orator, throwing up his voice into the concave roof of the senate or house can accuse university agriculture of scholasticism or separation of theory from practice. There is no reason why the farmer should not make the winds, and the waves of electricity do his hardest work for him as well as the machinist who uses these

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