

# THE SCHOOL OF MECHANIC ARTS

A Two Years' Course of Practical Instruction—Answers to Some Important Questions About the School.

## OBJECT OF THE SCHOOL OF MECHANIC ARTS

### What is the School of Mechanic Arts?

This is a school for the benefit of Nebraska boys, on the farm and in the shops, who desire teaching in practical mechanics at the University. It offers a two years' course of instruction in mechanical work, primarily for those young men who expect to enter some one of the mechanical trades, and who desire a scientific basis for this latter work.

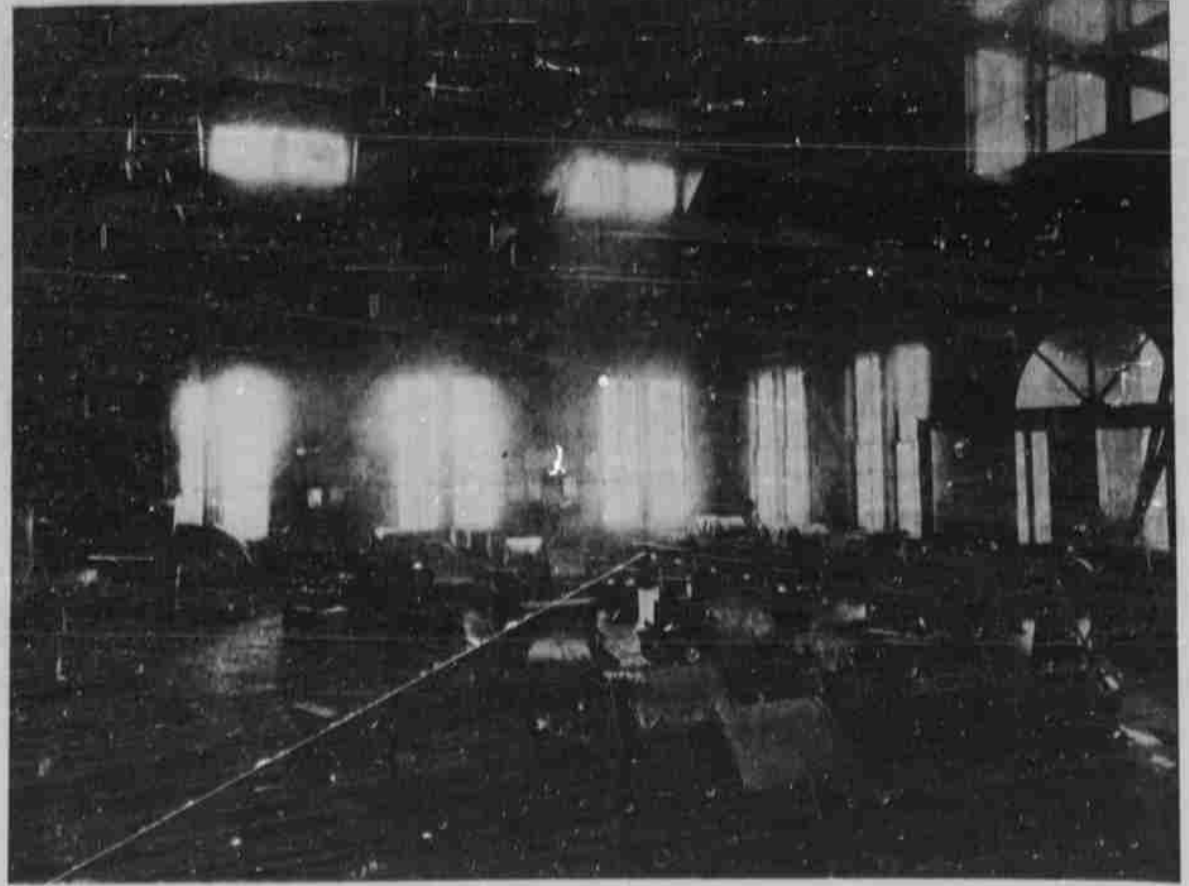
### Why was the School Organized?

There are a large number of young men whose educational advantages have been limited, and who have neither the time nor the money to pursue a full course at the university, requiring, as it does, four years of high school work for entrance to the lowest university class. To reach these men and to offer them an opportunity of acquiring a practical education, fitting them for some useful place in life, is the principal object of the School.

Furthermore, the past few years have shown that Nebraska must have a greater diversity of industrial interests, because a failure of crops means a complete stagnation of all business in the state. When we become a manufacturing as well as an agricultural state, then and only then, can we hope to become more nearly independent of drought and hot winds, and all of their attendant evils. To educate our young men in mechanical work, that they may help to bring about these industrial changes will be no small part of the work of the School.

### What Subjects are Taught in the School?

Mathematics, English, physics, political economy, lectures on mechanical practice, and on steam and electrical machinery, mechanical drawing, bench work in wood, wood turning, pattern making, molding and casting, forging in iron and steel, filing



FORGE SHOP.

and chipping, machine work in metals and machine construction.

### How is this Practical Work Taught?

By work in the college shops. The University has two well equipped shops, and a large drawing room. The wood shop has accommodations for forty-two students at one time, and the forge shop for twenty-four students at one time.

### Is any one trade taught?

No. The School is not a trade school, although the elements of several of the more important mechanical trades are taught. The student is thus more completely familiarized with mechanical work, and is enabled to judge what particular branch he is best fitted for.

### What are the Requirements for Entrance to the School?

The applicant must be at least sixteen years of age, and must understand arithmetic and elementary English grammar.

A written examination may not be required but the applicant must satisfy those in charge of the school that he is capable of taking up the work.

### At what time does the School open?

The next year begins September 16, 1897, and closes the first week in June 1898. If possible, students should report promptly at this date. One month after the opening of school is the latest date that students will be received unless they have had

some advanced work in mathematics and English.

### Can any of the work in the School be omitted?

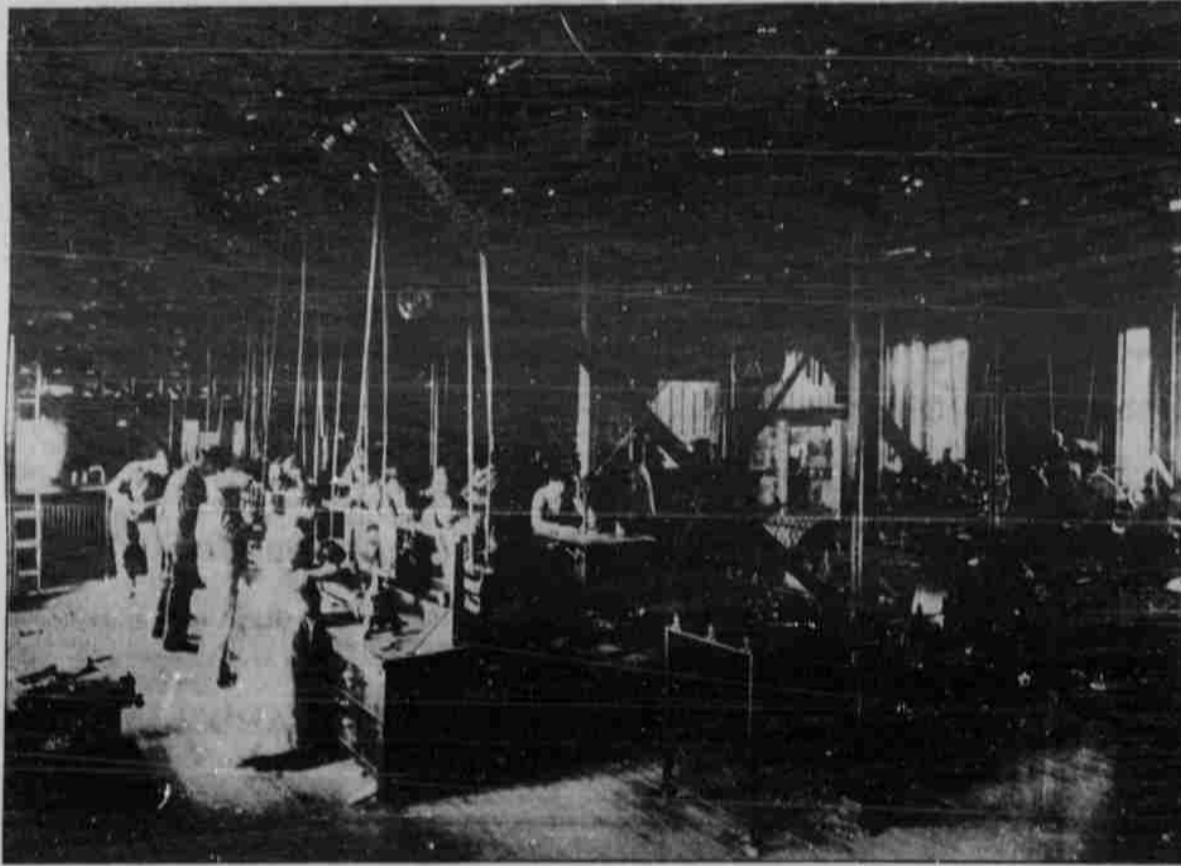
No. Everything in the course is essential to the course, and the various subjects must be taken as laid down, unless credit for a part of the work may be obtained.

### How much will it cost to attend this School?

The registration fee is \$5.00. A deposit of \$5.00 per year is required to cover breakage and loss of tools, and waste of material. At the end of the year most of this will be returned to the careful student. Each student must buy a set of drafting instruments costing about \$10.00. Text books and other incidentals will amount to about \$5.00 per year. In a private family table board may be obtained for \$2.00 per week. Some of the students' clubs give board as low as \$2.00 per week. Room rent varies from \$3.00 to \$8.00 per month. It will thus be seen that it will require about \$150.00 per year, exclusive of clothing, washing and incidentals.

### Where can further information about the School be obtained?

All inquiries about the School of Mechanic Arts, should be addressed to its director, Prof. C. R. Richards, The University of Nebraska, Lincoln.



WOOD SHOP.

# THE SCHOOL OF AGRICULTURE

The Courses of Practical Instruction Offered—Interesting Facts about the School—Expenses, etc.

## WHAT IT WILL COST YOU—INFORMATION, ETC.

This School is a part of the State University. It is located on the University farm, just outside of the corporation line of the city of Lincoln. The school term comprises twelve weeks, beginning the first part of January and ending the latter part of March.

### Object.

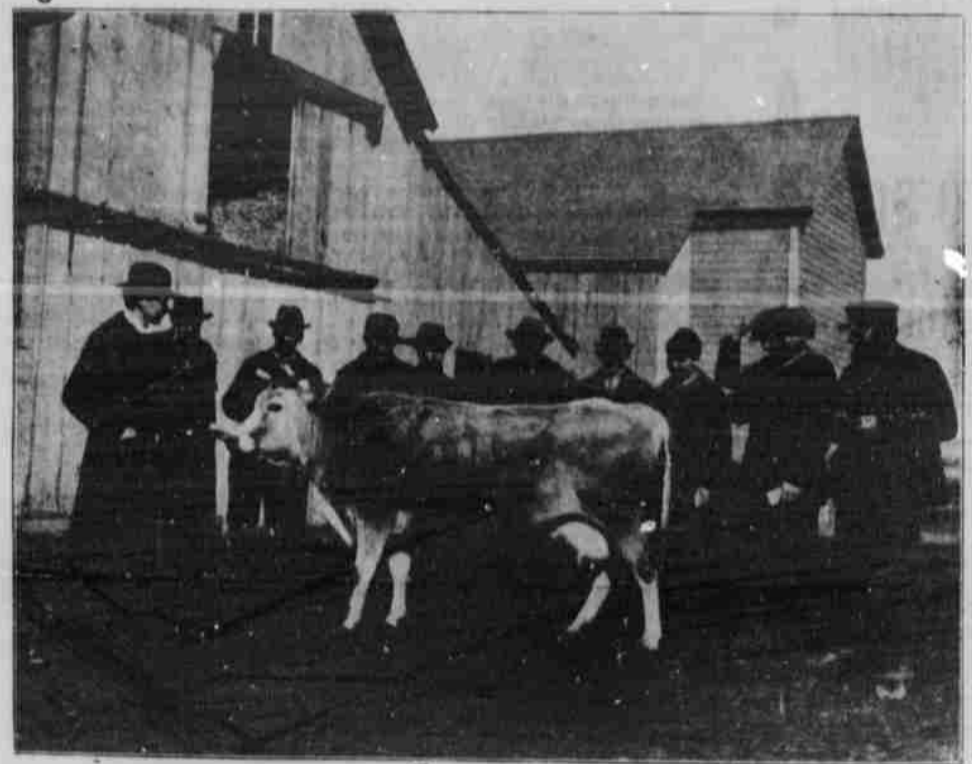
The object of the course is to give instruction in subjects pertaining to farming, and at the same time to offer to the student certain general studies more elementary in their nature than those pursued in the University. The agricultural instruction is designed to be as practical as possible, to give the student something that will be of value to him when he returns to the farm. The instruction is given partially in the class room, but largely by means of actual practice and observa-

tion. The practice, however, is not in the work of the farm with which every farmer is familiar, but in operations requiring skill and knowledge, and which are not ordinarily acquired on the farm.

Certain common branches are added, because it is believed that these will be a great help to the student not only in training his mind to grasp more readily the scientific principles underlying his agricultural studies, but also because of their tendency to broaden the mind, and make of him a more intelligent and successful citizen. It is also hoped that the stimulus received by this acquisition of an elementary knowledge may prompt some of its recipients to continue with the University course.

### Courses of Study.

There are two courses offered, one of



JUDGING STOCK.

which may be completed in one term, and the other a three term course, of which one term is taken during the winter of each year. Any student after taking the one term course, desiring to continue with the long course, is at liberty to do so.

### Three Term Course.

(First Term.)  
Botany  
Chemistry  
Mathematics  
Entomology  
Horticulture  
Breeding of live stock  
Stock feeding  
Military drill

(Second Term.)

English  
Mathematics  
Carpentry and blacksmithing  
Botany  
Chemistry  
Veterinary science  
Military drill

(Third Term.)

Soils, crops and their relation  
English  
Agricultural engineering and hydraulics  
Agricultural mechanics  
Blacksmithing and carpentry  
Political economy  
Farm accounts  
Farm dairying  
Military drill

### One Term Course.

The one term course includes the practical studies included in the above list.

### Admission.

No examinations for entrance are required, but applicants will be expected to have a good knowledge of the elementary English branches as taught in the district schools, and must be at least sixteen years of age. Men and women are admitted on the same basis.

### Other Privileges.

The libraries, museums and other accessories to the University are available to the students in the School of Agriculture.

### Expenses.

The only fee is a registration fee of \$1.00. Books, dairy suit, etc., will cost about \$3.00 in the one term course, somewhat more in the other.

Students live in private houses. Table board ranges from \$1.50 to \$2.50 per week. Rent of furnished room varies from fifty cents to \$1.00 per week.

The probable cost per term to each student is about as follows:

Room rent, 12 weeks @ 75c.....\$9.00

Table board 12 weeks @ \$2.00.....\$24.00

Books etc.....\$3.00

Registration fee.....\$1.00

Total.....\$37.00

For further particulars address:

Prof. T. L. LYON,

The University of Nebraska,

Lincoln.



CROSS FERTILIZATION.