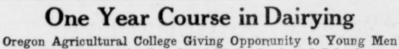
HOME AND FARM MAGAZINE SECTION



Who Have Only Completed Eight Grades of School.

N ADDITION to the four-year de- cheese curing room, and a reading gree courses in Dairy Manufacturroom.

barn.

have

Oregon

years of age.

Laboratories.

tation rooms and advanced and gen

eral laboratories. The latter will ac

commodate two hundred students in

sections of forty each, and are equipped

with a full line of appliances for test

ing milk and milk products. In the ad

vanced laboratory will be found mois-ture tests, salt tests, curd tests and

various other forms of apparatus suit-

ed to the needs of the advanced stu-

dent. A circulating hot water system

connects the wash sinks in all of the

laboratories. Both steam and elec-

tricity are used for power purposes.

The College dairy herd consists of

thirty-five head of high-producing dairy

cattle of the Jersey, Holstein-Friesian,

Guernsey and Ayrshire breeds. These

Pasturing Sheep

A N IDEAL WAY to manage sheep

then put them on another pasture until

the first springs up again. In this way

the pasture is kept fresh and sweet.

But in practice it may be frequently

impossible to do this. However, where

the rearing of sheep is an important

part of the farmer's business it can be

they should be grazed down if possible

with eattle. In such a condition the

sheep will not graze down the grass

that has become rank and woody. By preference they will feed upon those

parts where the grass is short. In such

places it is shorter and sweeter than

elsewhere. Where it is not practicable

to graze it down with cattle it ought

to be mown if possible. Whether it

should be left to mulch the ground or

drawn off should be determined by the

quantity of the grass and its value for

hay. When thus cut off grass fresh

Some object to grazing sheep with

other stock. Much depends upon the

way in which this is done. If the pas

and nutritious springs up in its place.

When pastures get far ahead of sheep

done to some extent.

one pasture down reasonably and

On the second floor are located reci

ing and Dairy Production, the Dairy Department of the Oregon Agricultural College will offer this year a one-year course in dairying.

The one-year course is provided especially for those who have had no opportunity to pursue their public school courses beyond the eighth grade, or who, from necessity or choice, desire, upon completing the work of this grade, to obtain as quickly as possible a working knowledge of the science of dairying. The courses are designed to provide the largest amount of practical information and training that can be given in one year. The courses are so arranged that the student may specialize in either dairy manufacturing or dairy production.

The Pacific Northwest, on account of its even temperature and abundant growth of forage crops, is peculiarly adapted to dairying, and the rapid growth of this industry is creating splendid opportunities for young men in the various fields of dairying. The one-year courses in dairying will fit students for such positions as buttermakers, cheese-makers, creamery helpers, testers, operators of creameries and cheese factories, managers of dairy farms and for official testers in cow testing association work.

Dairy Production Course.

In this course special emphasis will be given to the breeding, feeding, care and management of dairy eattle; judging of cattle, pedigree work, growing of forage and soiling crops, diseases of dairy cattle, organization of cow-testing, bull and community breeders' association, dairy accounting, dairy mechanics, dairy bacteriology, the composition of milk and cream and the testing of dairy products, the operation of the hand-separator, farm buttermaking, the construction and arrangement of dairy barns, milk houses and silos.

Manufacturing Course.

Instruction will be given in this course in all phases of creamery work, such as the receiving and grading of milk and cream; pasteurization; the preparation and use of starters; the ripening and churning of cream; packing and marketing butter; the location, organization and construction of creameries; creamery refrigeration and creamery management, and other studies designed to fit the student to manage and operate creameries. The course in cheese-making will include ture is large and not in any way practice in receiving and sampling milk; the use of the various tests for overst, ked, there is probably no obacidity, ferments, etc., the making and jection to the plan, but, should the pascuring of cheddary and other varieties ture be overstocked or should the sheep of cheeses. The course in ice cream be relatively too numerous, then the making will include practice in select | cattle will be worsted in the grazing. ing and aging of cream; standardizing Sheep cat more closely than cattle and and preparing the mix for the various can do well on shorter pasture. Where frozen products and the freezing, pack- the grazing is plentiful sheep can feed ing, bricking, molding, coloring and upon what is most palatable to them, sale of the various products. The and the cattle eat what they relish

Feed the brood mares when nursing their colts with feeds that produce milk.

Keep the celt growing from birth to maturity. Any setback before growth is made will tell in dollars and cents. In choosing the sire, do not pick out one because he happens to be near at

hand, but rather send the mare to a breeder who has a stallion of the type you wish to secure in your colts.

A swift gait in walking is acquired best by the team when it is being broken. Early habits become permanent inclinations.

In raising horses for the market remember that there is a greater demand for the horse worth \$200 and upwards than there is for the one worth \$100 or less,

Keep Constant Watch.

Keep a sharp lookout for vermin. No stock can do their best where these pests appear. Spraying in the winter s not always convenient, though a dash of kerosene about the stalls will help materially in keeping the pests down. cattle are housed in a modern dairy If applied with a fine sprayer it soon evaporates, yet not until its mission is To enter this course a student must filled. Insect powder rubbed into the hair does not inconvenience the stock course of study and be at least eighteen and if fresh it is sure death to mites. But unless it is strong enough to "make you sneeze" make up your mind you

Keep the calves "coming," whether they suck the cows or hand fed. Skim milk calves will grow strong and thrifty if they are given a chance. The milk should be clean and enough of it be used, for they need something to take the place of the cream that has been taken away. Corn and oats crushed together or just plain corn coarsely ground and fed dry makes a good substitute.

Some men are all the time complaining that the reason they do not get as much money from the cows is because the cows are no good. Better get good ones then, but nine times out of ten the other fellow does better by his cows

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ROBERT J. ROBINSON Manager.



completed the eighth grade For further information write R. R. Graves, Professor of Dairy Husbandry, have been humbugged. Oregon Agricultural College, Corvallis,

Keep Calves "Coming."

than the man who complains.

creamery course will include a course in dairy mechanics, dairy bacteriology, the judging of butter and cheese, creamery accounting and the testing of dairy products.

New Building.

The instruction work will be given in the new dairy building, erected and equipped especially for instruction and investigation in dairying. The equipment is such as to permit the handling of milk and cream on a commercial scale, thus giving the student practice under actual factory conditions. On the first floor are offices and manufacturing rooms, the latter including a boiler room equipped with a 15-horsepower internal furnace boiler and a 10-horsepower Jewel automatte steam engine; a farm butter-making room, in which are found hand churns, butter workers and the various types of separators found on the market; a churn room, which is equipped with modern ripeners, combined churns, various forms of butter molding appliances, refrigerating machine, cooling room and ice cream freezer; a market milk room, with milk cooler, bottle filling machine and bottle washer; a cheese room which is equipped with cheese vats, automatic

most. Sheep will eat off many weeds that eattle avoid and in this way they help to clean the pastures. For winter grazing long pastures are the best. They are best for the reason that they protect the grass underneath.

so that when the sheep are grazing they get some grass with more or less succulence in it, along with what is dead.

Little Whinnies

B E GENTLE but firm with the colt; like a boy, its training should be gin early. Keep the paddock and pasture free from loose sticks and barb wire. Many a valuable horse has been ruined by not paying attention to these

two points. Woven wire fencing for the pasture is the best way.

Be kind to the horse; he is your friend.

Water the horse before feeding. Never use blinders on the horse; it is a cruel practice.

Keep a watchful eye on the colt. You cannot afford to neglect it.

See that the collars fit the horse. ment used in the cheese factory; a not change from one to another.

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