# AGRICULTURAL SCHOOLS OF DENMARK

#### Third Of A Series Of Articles Written By Dr. James W. Robertson Chairman Of The Royal Commission On Technical Education.

The agricultural schools of Den- said that two courses are providedmark have grown out of the efforts one of five or six months from Ladies' up-to-data dressmaking of the farmers and their leaders to November to May and a fuller and Terms moderate. Miss A. Keys, 22 instruct and train young men for more extended course continuing Princess street. following farm life without subject- during May, June and July. August, ing them to influences from sur- September and October are vacation roundings, instruction or occupation | months alike for the people's high passed away after a long illness, aged which would be likely to wean them schools and the agricultural schools. fifty-seven, from country life.

They are all residential schools; the pupils live together in a manner similar to that which has been described at length under the people's the exceptions. Take one illustraaigh schools. In additions to the

tration plots. An illustration is given of the management of the farm as a whole according to the system and methods which yield the best cinal is also the managing farmer. ceives a comparatively small grant on Scottish farms. from the state, it must be managed as a profit-making establishment, or at least in such a way as to make ends meet after paying salaries and providing for the upkeep.

#### Students and Courses

The agricultural school, which first grew as a branch from the high school stem follows the high school methods, but has agriculture and the related sciences as the main portion of its subject matter. Students pass no examination for admission and receive no certificate at the end of the

After leaving the elementary school at 14 years of age, the boys return to their homes for a few years; then, after 18, they go for one or two winters to people's high schools to continue their education. They then return to farming, or first take a course at an agricultural school. The popu larity of these agricultural schools and the proof that they meet a felt want among the people, is made clear by the fact that each winter they are attended by about 2,000 pupils.

Students are admitted from 18 to 25 years of age. They all come with a practical knowledge of farming operations and of farm work and management. The instruction is theoretical, the aim being to leave the students with clear ideas of the applieation of the principles of agricultural science to farm work and management. An effort is also being made. y lectures and otherwise, to let them and prosperity of the community.

or six months. At some of the four-bed rooms with special convent- "Why, so gloomy looking, Madge schools a number of the pupils con- ences or comforts. tinue three months longer for spe- The state grants scholarships up for a girl with more money." "Oh, cial studies of plants and matters to 30 kroner per month to enable there, cheer up! That's no sign that agree to pay a price sufficient to jussuited to the work of the summer students to attend. months. To this extent it may be

English, mathematics, physics, y, botany and animal biology. entrance examinations except for credit towards a degree. For further in-formation address the Registrar, Queen's University, Kingston, Ontario.

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ip in general; we in Canada excel in

tion. They send large quantities of King street. Leave orders at Mcbutter and eggs to the United Kingdom. They get high prices because Illustration and demonstration, the of the superiority of the quality reagricultural school has a farm con-sulting from their method of managing. They take out of the United Kingdom annually over eight mip The farm is not managed or run as lions of dollars more than other naan experimental station, and only to tions obtain for an equal quantity of a very small extent does it use illus- the same products. They get more, as a premium on the quality of their butter, bacon, and eggs, than is spent on our whole system of rural education in Canada. That is a results in theh olcality. The prin- large tribute collected from a foreign nation by the ability of these people. ready-made clothing and gents' forn- described. The labor cost is also The preservation and increase of fer- They are using it for further train- ishing department. They are all well placed at a high figure, while the suitability of the crops to market, further development. Fifty years and for consumption, are considered. | ago students were sent from Den-The numbers and the kinds of live mark to Scotland to study agriculstock are determined by the capacity ture there. Since that time the pracof the farm as directed towards mak- tice continues for some farmer' sons ing profits. Since the institution re- to spend six months, a year or more station, the actors a newspaper boy

#### The Husmand Schools

tion in the small cultures of his oc- Lancashire was "rubbing it in.

the form of a loan of 60,000 kroner jerked his head up. at the rate of three per cent, interest. The grant from the state towards maintenance is 6,000 kroner per annum. The school has two excellent demonstration kitchens for cooking. There are ample experimental plots for cereals and fodder crops; and illustration areas for general farming, for stock-keeping and fruit and vege-

The school was founded in 1903, had been taken by 668 men and 610 what league Bannockburn plays in. women; and the short eleven day course by 1,592 men and 1,926 wo-

#### Fees, Finances and Motto

The fees for the five and six press. months courses amount to 200 kron- Train passenger (impatient to er and 240 kroner respectively. The start, to porter on platform) - "Poracquire such an understanding of drops to 25 kroner for the last on, sir,"-Punch. ter and have an intelligent apprecia- and board. An additional fee of your daughter to marry me?" "I am tion of its relation to the progress from 18 kroner to 36 kroner is sure of it. She told me she wouldn't banquet Prof. H. H. Dean, O. A. C. charged for the whole course from marry you if you were the last man Dairy Department, Guelph, Ont., stat-The ordinary course continues five those who have single, double, or on earth."-Houston Post,

The fee for the 11-day courses is script.

board and residence. expenses, for these short courses. Summer School, July 6 to August 14, About 40 men and women were in Transcript.

1914; for teachers, extra-mural stu- attendance at one short course durfor natural study. Latin, ple's high schools, they are encour- "White Wolf" bands. aged to use their notebooks freelyat least those whom we observed were doing that.

The motto and device of this school are an example of the spirit and aim which seem to permeate the people's high schools, the agricultural schools and the husmand schools. A free translation of the motto runs thus: "He who does what makes other people happy, will be still happier himself." The device is an owl on a spade. It does not require are recognized in New York think of that as wisdom and work.

#### UNFORTS FROM KINGSTON

To the United States During #

Past Three Months The exports from Kingston dir trict to the United States as reported by Consul F. S. S. Johnson, amounted to \$174,156,34, as compared with \$138,671.02 during the same period of 1913.

The chief products hay. \$26,610; feldspar. furnace slag, \$11,853; \$9,331; tale, \$8,7.75; lumber, \$6. 870; cattle, \$4,593,

#### "Inn" and "Hotel."

From Country-Life. The Saxon word "inn," taken its present sense, was probably use before the conquest, whereas the purely French word "hotel," as generally applied to "an inn of style and pretension," dates only from British army of occupation returned from Paris with enthusiastic accounts of Meurice's and a dozen other hostelries of the Rue! de Rivoli and the Rue St. Honore which quite threw the humbler accommodation of fered by the average British inn o that period into the shade. At commencement of the nineteenth centure Frenchmen taught the London innkeeper the science of hotel keeping, before the beginning of the twentieth the Englishman had begun

return the compliment. Prevents Grip-Cures Grip LAXATIVE BROMO QUININE re- to devote his entire energies for several months to a thorough study of nature of E. W. GROVE, 25c.

The quality of White Rose flour

never varies. Edgar Craddock, of Belleville, was arrested on a charge of theft. William Swaine, piano tuner. Orders received at McAuley's. 'Phone 564.
The store of T. W. Ralph, North Augusta, was entered during Wednesday night and \$25 taken.

On Wednesday night John W. Mor-

A serious fire occurred Wednesday, when the house occupied by

Manley Farley, in the second concession of Sidney, was totally destroyed. H. Cunningham, piano tuner, 21 Auley's book store,

Prevost, Brock street, has received all his spring and summer goods for his order clothing department, also in milk on such a liberal ration as that

#### Scotch Revenge

assorted with new goods

The scene was a Lancashire railway Scotch soldiers en route for Liverpool. protein. If you pay \$15 a ton for daughters. There were 122 head The soldiers were learning out of the it you are paying 614 cents a pound sold including some calves only a windows conducting an animated foot for protein. If you pay \$19 a ton few days old, and 20 bulls. There are three husmand schools ball conversation with the paper-boy. you pay a fraction less than 8 cents proceeds of the sale totalled \$22 in Denmark. They were established One gathered that the local club which per pound for the protein. Gluten 130. as private enterprise, to meet the enjoyed the support of the paper-boy. recognized need of the husmand had recently defeated the Scotch club (small farmer) for special instruc- supported by the soldiers, and young "Warrabout three goals to nowt?"

of the others. It and one at Barroy with a triumphant grin, and for the in West Jutland each received a state moment they were without a convenigrant towards their establishment in ent reply. Then one of the Scotties

"What ?" said the other, cantemptuously. "Three goals to nowt! The Scotch youth put his head

"What about Bannockburn?" table growing, with large poultry fed. Probably he was in error in sup know as much history as a Scotch By the end of the seasons of 1910-11 one. It is more than likely, that they the courses of five or six months each left the Lancashire boy wondering

#### The Latest Jests.

"Father, what is home rule? Your mother's word. Don't annoy ne any more now."-Buffalo Ex-

fee for the first three months is at ter, what on earth are we waiting the rate of 45 kroner per month. It there for?" "You're waiting to go their work that they will like it bet- month. The fee includes instruction "Do you think I can safely ask

dear?" . "Jack has thrown me over problem. "No real progress will be

he doesn't love you."-Boston Tran- tify production of milk of the highest 30 kroner for each course, including Excitable party (at telephone-The state grants scholarships, in- say?" Man at Other End-"Haven't low to pay the farmer we shall con-

CALLED TO ENGLAND TO RUN BRITISH RAILROAD.

Henry W. Thornton, his wife, and their two children, abourd the

SS. Lusitania, just before she sailed for England, Mr. Thornton,

whose recent appointment as general manager of the Great Eastern

Railway in England evoked a wordy war across the Atlantic, expects

the Great Eastern system in order to familiarize himself with those

details of English railroading which differ radically from American

### AGRICULTURAL TOPICS FOR WHIG READERS

The College of Agriculture at Cor-ifor variation in the proportion maintenance per head for a herd of out that special tests with differen 20 dairy cows at \$150. This is fig- cows have averaged all the way from ured as follows: Pasture, \$6,; soil- 2.95 per cent. to 4.25 per cent. butter ing, \$6; 4 tons silage, \$29; one ton fat. Fodder has little or no effect nay, \$15; and 2,300 pounds of grain on the percentage. Dr. Hastings amount to \$35.50. This gives a medical health officer for Toronto total of \$82.50 for feeds. The in- spoke strongly against impure milk terest, depreciation, taxes and in- he stated, was responsible for 23 ou surance on barn and stable is figured of 26 cases of tuberculosis. at \$7.50. The value of the cow is killing off of all tubercular cows, considered \$75, and six per cent. in- said he, "is impracticable and would terest is \$4.50. Depreciation of precipitate a milk famine, bringing the cow is counted at \$12. Inter- the milk to a heat of 140 degrees est and depreciation on tools and and holding it at that point for 30 made \$1.40 profit per hen, and the supplies, and providing perishable minutes."

Moira Thursday, was seventy-three for manure and net cost \$130. If was passed that when milk testers

that will not give over 6,500 lbs. of the meeting. calf is put at a very low figure for Hoard's Dairyman a four year old feeding on the scale stated

#### Feeding Concentrates

feed contains 426 pounds of protein to the ton. If you pay \$26 a ton sin, and totalling 94 head, the averfor it you are paying 6.1 cents a age price was \$315. The highest cound for the protein. the cheapest protein, that in the three and a half years, produced 726 The school at Ringsted is typical he cried, derisively, backing away bran or gluten meal? Ajax Flakes, bs. of butter, and at five years 23.13 or dried distillers' grains, of a good lbs, in seven days. quality, contain 22 to 23 per cent. protein, or 440 to 460 pounds of proein to the ton. At \$24 a ton you ere paying about 5.2 cents a pound up a point as to whether largest or your protein. In which is the yields generally come from broadprotein the cheapest, in bran or Ajax casting or from drilling. Flakes?

ottonseed meal; it is hardly pos- the seed in, whereas where the drill ible to harm her with the use of is used an extra stroke is given with Moreover, bran has a bene- this after the cultivator has finished acial effect on the general condition its work. f the animal which cannot be proluced by the more concentrated form

#### Pure Milk Problems

Addressing the Milk Producer association. Toronto, at their annua ed that the question of pure milk supply for the city is an economic fast to the drilling system. made unless the consuming public quality. It is unfair to ask the farmers to supply pure milk at a may be tested by taking a plate and tube entering the nostrils.—New "Hello! Who is this? Who's this, I loss, and so long as the price is too laying on it a fresh bloter. cluding an allowance for travelling got time to guess riddles. Tell me tinue to have poor milk. My defi- as they come in your sample and yourself who you are."-Boston nition of whole or pure milk," stat- place them on the blotter, spreading ed Prof. Dean, 's milk as it comes them out as well as possible. Next from the cow, and no man can truly place another fresh blotter over the per," said the tired-looking woman Work for entrance ing the visit of the commission. As 'Hundreds of people were killed say that milk that comes below that seeds, moist-n well and then turn "what will you do to earn it?" distinguished from pupils in the peo- and three towns looted in China by standard, set up by man, is not pure another plate over all. Moisten well milk, and no man can place a limit (but do not soak every day) and "I'll give you de opportunity of

The death occurred at Brockville supplies amounts to \$8. Use. of At the morning's meeting the on Thursday, of Clarence Blanchard, pure bred bull is figured at \$3.50, price of milk was raised by the proand the labor is counted at \$32. | ducers to \$1.28 per can of eight gal-This amounts to \$67.50, which added lons, delivered to the deiries, and to \$82.50 for feeds makes \$150. \$1.23 to shippers. This is 3c. high From this is deducted fifteen dollars er than last year. A resolution production in the milk pen was over vecars of age and had been a life- the cows produce 6,500 pounds of take samples of milk for testing they iong resident of Thurlow township, milk the cost of producing this milk also send a similar sample to the Whilst visiting in Huntingdon town- is exactly two dollars a hundred shipper, in order that he may make an individual test. President J. C It is, however, a very poor cow Cornell, Scarboro, Ont., presided at

#### Holstein Sales

At a sale of Holsteins reported by the offspring of a cow which is worth cow with a record of better than 25 lbs. of butter for a week, sold for \$420. A son of Paul-Beets DeKol. out of a 27-lb. cow, fetched \$400. "In a ton of bran," says Hoard's He is a very fine individual and ha on the platform and two young Dairyman, "there are 240 pounds of sired a large number of excellent Radium Miners All Recover From

Which is price, \$925, was for a cow which, at

Broadcast or Drill Spring seeding each year brings ments have shown that on the aver-Cottonseed meal contains 28 per age, taking into consideration early ent. protein, or 760 pounds to the late and medium seeding, that drill-At \$28 per ton you are pay- ing has a little the advantage one pound for your prtein. Which do Advocate. It is generally conceded on think is the cheapest, the cot- that in a dry season drilled grain onseed meal at \$28 per ton, or the stands, a better chance than broadran at \$15, or even \$19 per ton? | casted grain. Of course, there is At the same time these highly con- a little extra cultivation given genentrated feeds should be used only erally where drilling is done. Most by careful and experienced feeders. people nowadays who broadcast sow t is easily possible to destroy a valu- with an ordinary cultivator, having ble milker by the unwise use of a seed box attachment and cultivate

> In cases where the land works particularly well, is in good tilth. with a fine, dast much prepared on top, where there is no clogging and the tillage implements go through fairly well, and where the seed may be put into the ground early in the season, broadcasting often gives as good results as drilling, but as the yet. season advances and some of the fields are being sown rather on the late side, we would advise holding

Testing Seeds. Small seeds, such as crover seed count out, say, one hundred seeds count the number of seeds that

In testing large seeds, such as ting. oats or corn, the first consideration as with the smaller seedsshould be to get an accurate sample, she'd set the table. and some trouble should be taken in getting the sample from different places in the bags or bin, so that it will be representative of the whole lot. Have a box made, say 10x20 ajar. inches and about 3 inches deep, and put in about 2 inches of sand or sawdust-preferably sand. Rule lines each way 2 inches apart, with a margin of 1 inch all round. planting a seed about 1/2 inch deep at each place where the lines cross you will have 50 seeds planted Reep in fairly warm place and water (with a sprinkler or by shaking the water off a whitewash or other brush) every day, and count the number of seeds that grow before wo weeks' time.

#### Farm Wages

According to the United States department of agriculture, farm wages have increased about 2.5 per cent, during the past year, 11 per cent. during the past four years, 36 per cent. since 1902 and 67 per cent. sipce 1894. Compared with the wages for factory labor, the farm worker's wage increased 37 per cent. in the past 10 years and about 67 per cent, in the past 26 years, while the factory laborer's wage increased 22 and 23 per cent. respectively in the same period.

During the past 10 years farm land values have practically doubled. while the value of crop production increased about 50 per cent, in the same period. These figures illustrate quite clearly where and how the western farmer has become prosperous during the past decade. With a 36 per cent. increase in labor cost and a 100 per cent, increase in investment value and only a 50 per cent, increase per acre value of crop production, it is easy to ascertain that farming operation alone has not

mad the farmer affluent. The current average rate of farm wages in the United States, when \$21.38; by the day, other than harvest, \$1.16; at harvest, \$1.57. When board is not included, the rate is,

by the month, \$30.31; by the day, other than harvest, \$1.50; by the A Quick, Sure Way to

#### Skim Milk for Hens

At the poulfry department of Purdue university an experiment has been conducted for three years on the value of feeding sour skimmilk to laying pullets. The regular grain ration was thrown in a scratching in a hopper. One pen of birds was was fed such a ration as this, but to maining delatone it will be soft and range in a cultivated young orchard and were housed alike.

As a result, the birds fed skimdry mash ration laid on an average of 133.5 eggs per bird, and the others 36 eggs per bird. One pen other \$0.43 loss per fowl. The milk brought about these results, for everything else was the same. The eggs when prices were high. In November and December of 1913 the 50 per cent., a remarkable production for that time of the year.

"Farmers, feed your skimmilk to hens, and buy tankage for the hogs." is the advice of the Purdue men. "The feeding value of milk is \$1.73 for hens and 45 cents for hogs."

The experiment is interesting, but scarcely conclusive. There must have been something more than the! mere difference in rations to account for such a wide difference in the egg

#### CURES RHEUMATISM.

the Disease.

Radiam mining in the Paradox valley of Colorado has developed a very curious by-product in the shape of an imtooked-for cure for rheuma-The government bureau of mines

has recently undertaken to supervise the working of some lifty-seven radium mines in that valley, which contain the most important deposits of radium-bearing ore in the world. The ore is a yellowish mineral known as "carnotite" and occurs in 'pockets" associated with uranium

and vanadium. It has been found that the men engaged in working these deposits, if they happen to be sufferers from rheumatism, are cured of the malady. Not only that, but their genng a fraction less than 3.6 cents year with another, says the Farmer's eral health seems to be benefited in a remarkable way.

> This is a matter of no small im portance. While radium itself the most costly thing in the world, being worth over \$2,500,000 an ounce, the ore from which it is taken is by no means so precious that nobody of moderate means could not afford to buy and keep on hand a considerable quantity of it.

It takes a ton of "carnotite" to! produce a big of radium no bigger than the head of a pin; and the cost of the radium is due mainly to the difficulty of the processes involved in extracting it. Perhaps if the sufferer from rheu-

matism were to keep a few pounds of "carnotite" by him he would experience relief. The matter, of course, is wholly one of speculation

There is no question of the fact that radium is good for rheumatism. It has been used very successfully in the treatment of this distressing trouble, the method commonly adopted being to allow the patient to breathe the emanations of the mysterious mineral through a rubber

#### A Treat for Her

"Supposing I gave you your sup-

"Madam," said Meandering Mike, seein'-a man go t'roo a whole meal wit'out findin' fault wit' a single The woman thought for a moment,

and then told him to come in and

Don't sit around and wait for opportunity to knock. Keep the door

Toronto civic authorities have tak en charge of the factory ruins in which two men were killed. The government will take steps prevent the wholesale killing of wild fowl in Ontario.

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