SKILL IN A CHEESE FACTORY.

It Is, and More Particularly What It Is Not.

When a man in a cheese factory has a thing can all greasy inside and all cleaned outside, he is not ready to sell skill.

He is going to contaminate the milk and skill and contamination won't make a partnership in dairy work. When a man has not the milk spout washed oftener than once a week, he is not going to apply any skill; and he cannot sell skill that way, for skill does not run through a pipe like that. Let me tell you right here that when a man sells anything that he gets from a farmer, he never sells at a profit except when he sells skill. You cannot get material from the farm and sell that alone at a profit.

When a man makes good butter he sells skill, and that pays; but bad butter and bad butter are so limited in their capacity for holding skill that the buyer never detects the skill, and so he does not pay for it.

Even when a man has a milk vat that has been painted, and that may be painted for all any observer can tell from the outside, he is not ready to sell skill. Even when a cheesemaker does not have hoops in his factory scrubbed oftener than twice a year, he may sell some skill, although how the skill outside is applied skillfully and you know if you have sold a cheese with a rough outside, the buyer wants to get the cheese for a price of unskillfully made goods. I will give you a little wrinkle here. If you will buy a few cents worth of borax and wash your hoops with that once a week I believe you would seldom have mold on the sides of the cheese. I have had cheeses stored in a rather damp place for a long while that have been treated in that way, and I cannot find any mold growing on them yet. Skill can be sold in a way to advantage.

Then if a man has a strainer cloth on his vat, through which the milk can readily find passage at all—well, he has closed the channel of skill. It does not run that way. Suffer me to say a few plain things here. There are cheesemakers who write to me complaining of the careless neglect of the farmer in not straining his milk, when they have a strainer cloth that would completely extract all the good of aeration. The cheesemaker should remember that it is a good thing not to complain of the mote in his brother's eye, when there is a beam, a very large part of the strainer's own eye. He will have made provision for selling skill when he has the strainer pipe in order that it does not scorch the milk the first thing. A man provides for selling skill when he buys or prepares a vat to extract before the season begins. He provides for selling skill when he has and makes use of a thermometer in such a way that may be it will fade away and his cheese all like Aberdeen granite and black and red. Cheese are valued on account of its variegated color. Then he should see that the rennet incorporates every part of the whole body of the milk uniformly. When the curd is thickened, his skill will enable him to use the knife first that will do the best service, and while more skill differ in this rather unimportant point, I find the cheesemaker will sell more skill with the least work by using a horizontal knife first.—Professor Arnold.

A Better Cow's Head.

We reproduce from the Rural New Yorker this fine and spirited picture of the head of the typical English Jersey cow. It is nearly as good looking as the American Jersey, all the female sex

HEAD OF AN ENGLISH JERSEY.

is expected to be handsomer in this than in England. This Britisher has the slightly crumpled horn that used to be considered an evidence of pure blood in the Alderney

Creameries in the Northwest.

The northwestern creameries are treasures. Wisconsin has one that makes 3,000 pounds of butter a day, another turns out 1,950 and several others run from 800 to 600. Iowa ranks the same. Minnesota creameries run from 400 to 800 pounds a day, while Dakota and Illinois rejoice in establishments that produce 400 and 500 pounds a day. In Nebraska and Kansas business is newer, yet a co-operative creamery in Nebraska turns out every week 1,000 pounds, while the product from one creamery of Kansas tips the scales at 1,200 pounds a day. Fully two-thirds of all this butter goes to the markets of eastern cities.

Variety of Food Essential.

If dairy cows are to do their best, variety of feed must be constantly provided for. In the districts where corn grows best dairymen depend far too much on mere hay and corn. Ensilage properly prepared is, of course, A No. 1 for variety. Beets and carrots, where cheap labor to be had to raise them, are a great delicacy for the cows. Bran, too, are first class, fed with judicious care. But remember, variety is the word for both milk and cows.

LIVE STOCK AT THE WORLD'S FAIR

Most Magnificent Accommodations Ever Seen at an Exposition.

Ample provision will be made at the Columbian exposition for the fullest setting forth of the splendid live stock interests of the United States. W. I. Buchanan, chief of the department of agriculture for the fair, says of the buildings for live stock:

One of the most desirable and interesting features of the exposition will be the proposed live stock and agricultural assembly hall, the erection of which is now assured. This building will probably connect machinery hall with the agricultural building, fronting on the main court of the exposition grounds, and will be conveniently near one of the stations of the elevated railroad. It will be a very handsome building and will undoubtedly be the common meeting point for all persons interested in live stock and agricultural pursuits.

On the first floor, near the main entrance of the building, will be located a bureau of information, in charge of attendants, who will furnish visitors with all necessary information in regard to the assembly hall and the main agricultural building, as well as other features of the exposition. The first floor will also contain suitable committee and other rooms for the different live stock associations of every character, where such associations can meet and have their secretaries in constant attendance, thus affording this important industry ample headquarters near the live stock exhibit and the agricultural buildings.

On this floor there will also be large and handsomely equipped waiting rooms, with fireplaces for ladies, lounging rooms for gentlemen and handsome toilet facilities. Broad stairways will lead from the first floor in the assembly room, which will have a seating capacity of about 1,500. This assembly room will furnish facilities for lectures, which will be delivered by gentlemen eminent in their special fields of work, embracing every interest connected with live stock, agriculture and its allied industries.

When one considers that in this room almost daily there will be lectures delivered, papers read and discussions had, conducted by eminent specialists from all parts of the world, the importance of such a building for educational purposes is apparent. Taken in connection with the exhibits, this feature will make that part of the exposition devoted to live stock, agriculture and horticulture a complete gathering together of all that an advanced civilization is capable of producing. In the assembly room the most approved theories will be advanced and explained.

The entire second floor of the assembly building is given up to committee rooms, and rooms for headquarters for each and all of the different farmers' organizations in existence in this country. It will furnish a definite and pleasant home for all such organizations during the entire time of the exposition, where each may have its secretary or other official constantly in attendance to furnish information and transact other business, and where the members can hold such consultations as they may desire.

Such a building was never erected at any exposition, and its construction here will show the board of directors' purpose of affording every desirable facility that they can furnish to aid the great live stock and agricultural interests of the country.

The Nit Fly.

The nit fly is found throughout the summer and fall months. It is of a dark color, covered with yellow hairs and resembles a honey bee very much. It is often seen about horses, where it lays its white-yellow eggs upon the forelegs, neck and lips. In a few days these eggs hatch into very small maggots, and as they trickle down the leg of the horse they produce an itching or irritation of the skin.

This causes the horse to lick the place where the larvæ are situated, and they are taken into the mouth of the horse, and from the mouth are swallowed into the stomach with the food. It is probable that a great many are crushed when taken into the mouth, but owing to the immense numbers taken into the system a large number of the maggots are to be found in the stomach of a horse at almost any season of the year.

That the nit fly is a pest is admitted, but it is not in the manner in which it is supposed to do harm. Any harm which it may do is mechanical in preventing the food from passing from the gullet into the stomach. Sometimes this may be the case, but it is a very rare occurrence. The damage done by the nit fly is largely overestimated.

The nit fly may be taken as an example of the progress being made in entomological science. Its life history is now well known, and the false conclusions of horse doctors are now exposed.—Professor Weed in Southern Live Stock Journal.

Points of Interest.

As far back as 1860 the Indian games are said to have been known in New York state, Ontario county, with this difference: The Indian games of Ontario county in 1860 had black shanks where the breed in 1891 has yellow ones.

Sorghum seed, mingled with corn, is good feed for laying hens, by way of variety.

In Florida it is believed that the paspalum platycaule, otherwise called carpet grass, Louisiana grass or flat grass, will in time root out the wire grass which is so objectionable in the pastures of that region. If the wire grass is pastured persistently by cattle that are fenced in and made to gnaw it down close, it will in three or four years be replaced by the nutritious paspalum. A Florida stock breeder writes that he has found an acre of paspalum on good flatwoods soil to be nearly equal for grazing to an acre of bluegrass.

Leg weakness in poultry is caused by forcing the growth and overfeeding. In the haste to get the birds ready for market they are filled full of soft, flabby food, and it makes them soft and flabby. The large and heavy breeds are the ones most subject to this ailment.

Guaranteed Cure for La Grippe.

We authorize our advertised druggist to sell you Dr. King's New Discovery for Consumption, Coughs and Colds, upon this condition. If you are afflicted with La Grippe and will use this remedy according to directions, giving it a fair trial, and experience no benefit, you may return the bottle and have your money refunded. We make this offer, because of the wonderful success of Dr. King's New Discovery during last season's epidemic. Have heard of no case in which it failed. Try it. Trial bottles free at G. A. Harding's Drug store. Large size 50c. and $1.00.

Faults of digestion cause disorders of all the liver, and the whole system becomes deranged. Dr. J. H. McLean's Strengthening Cordial and Blood Purifier perfects the process of digestion and assimilation, and thus makes pure blood.

Now is the time to provide yourself and family with a reliable remedy for bowel complaints. It is almost certain to be needed, and no family can afford to be without it. It costs but a trifle and may be the means of saving much suffering, if not life. There are many different remedies in use, but Chamberlain's Colic, Cholera and Diarrhœa Remedy is undoubtedly the best. 25 and 50 cent bottles for sale by G. A. Harding, Druggist.

Bucklen's Arnica Salve.

The Best Salve in the world for Cuts, Bruises, Sores, Ulcers, Salt Rheum, Fever Sores, Tetter, Chapped Hands, Chilblains, Corns, and all Skin Eruptions, and positively cures Piles, or no pay required. It is guaranteed to give perfect satisfaction, or money refunded. Price 25 cents per box. For sale by G. A. Harding.

Mr. Clark, to the public.—I wish to say to my friends and the public, that I regard Chamberlain's Colic, Cholera and Diarrhœa Remedy as the best preparation in use for Colic and Diarrhœa. It is the finest selling medicine I ever handled, because it always gives satisfaction. O. H. Clark, Orangeville, Texas. For sale by Geo. A. Harding.

The following frank statement from J. E. Hare, of Trenton, Texas, will be of interest to many of our citizens. "My little boy was very bad off for two months with diarrhœa. We used various medicines, also called in two doctors, but nothing gave him any relief until we used Chamberlain's Colic, Cholera and Diarrhœa Remedy, which gave immediate relief and soon cured him. I consider it the best medicine made and can conscientiously recommend it to any one who need a diarrhœa or colic medicine." For sale by Geo. A. Harding, Druggist.

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TIMBER LAND ACT, JUNE 3, 1878.

United States Land Office, Oregon City, Oregon, April 11, 1891.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory,"

Charles Y Draper,

of Oregon City, county of Clackamas, has this day filed in this office his sworn statement No 2366, for the purchase of the nw¼ of se¼ and ne¼ of sw¼ of section No 28 in township No. 3 south, of range No 3 east and will offer proof to show that the land sought is more valuable for its timber or stone than for its agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon on Tuesday, the 25th day of August, 1891.

He names as witnesses: N. Simpson of Portland, J. T. Mason, of Viola, Oregon, J. W. Draper, of Oregon City, Oregon and J. M Parrish, of Highland, Oregon.

Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 25th day of August, 1891. J. T. Apperson, Register.

6-5-5-7

TIMBER LAND, ACT JUNE 3, 1878.

United States Land Office, Oregon City, Or., Apr. 4th 1891.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington Territory,"

David O'Donnell,

of Portland, County of Multnomah, state of Oregon, has this day filed in this office his sworn statement No. 2364, for the purchase of the nw¼ of section No. 4 in township No. 2 south in range No. 7 east, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon on Friday, the 21st day of August, 1891.

He names as witnesses: G W Moring, of Central point, Oregon, and F Bell, T C O'Donnell, and T Gibson, of Portland, Oregon.

Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 21st day of August, 1891. J. T APPERSON, Register.

6-5-5-7