Could Feed Profitably This Winter Fifteen

Thousand Bushels of Boots. Although much of Wisconsin burned I have been feeding roots since early in September-mostly turnips grown in my

A ration of turnips added to a generous feed of cornfodder and oatmeal made an average gain of four pounds a day in three days on each cow. I am getting four-sevenths of June messes from cows that calved in January, Feb- it feeling splendidly. ruary and March, I feed my turnips after milking, about 15 pounds besides as bathing. Avoid pastry, French sweets, the tops to each mess. My cream goes fat meat and gravies. Eschew pork if to Chicago every day. I have requested you would have a beautiful skin. interested parties to use good sense to Choose cereals, lean meat, beef, mutdiscover scents; that if a turnip scent ton, fowls, fish, fruit and all vegetashould turn up in my milk it be sent bles, salads, greens and lettuce simply back to where it was scented, as one dressed. Avoid every kind of diet that scent might ruin many cents' worth of is of olenginous nature. For an oily

turnips are eaten before cows are milked stubborn things to many, but the use of is better than plurality. Granted a reaor a taint may be expected.

My oats were injured by hol weather with great success. and gave but half a crop of grain. Five acres yielded but 200 bushels of oats and How Small Photographs Were Called straw worth \$85. Five acres of roots gave 5,000 bushels, worth when ready to harvest \$500 at a low estimate. I was offered \$20 today for 100 bushels in the field as growing. The tops go far toward paying for harvesting them. It rier at Nice, and copies affixed to his cost me not to exceed \$30 more to raise visiting cards-a fashion which soon

ter 15,000 bushels of roots. Horses, hogs. hens-all things on the farm, two legged or four-are healthier and happier by having them. I saw today 11 flat turnips growing so close together that four of them had been raised completely from the ground and were being fed by the slender tap root running down to the ground. None of them was small. By the 1st of November many bushels will thus be crowded from the ground. I made this ground very rich and freed it from the curse of weeds in 1892. It looks like producing 2,000 bushels. I sowed them broadcast, and the ground is literally covered. There is nothing so green in this town this morning (unless it be some of my townsmen who have no turnips or much else for their cattle) as the field of turnips, Neither August hent nor October frosts disturb a root crop after it once gets held of a rich, meliow soil.

Running close up to the fine house of Mr. H. K. Loomis (the house in which Hiram Smith died) is a splendid half acre of turnips. Mr. Loomis feeds his well bred cows turnips about as regularly as I do mine, and I cannot see why his butter has not the same "gilt edge" as that his honored father-in-law manufactured from his silage.—A. X. Hyatt to them. in Breeder's Gazette.

Wheat Eating Hogs.

I bought eight half Poland-China hogs Aug. 5, 1893. They weighed 1,078 pounds. At 44 cents a pound they cost \$51.20. I fed them 95 days on 50 bushels of wheat at 50 cents, making \$25 for wheat, I cloth. wound them up on 10 bushels of corn at 32 cents a bushel, making corn cost \$3.20. I feed two-thirds wheat wet; balance dry. This makes wheat and corn all cost \$79,40. I sold the hogs Oct. 10, 1893, to be delivered on Nov. 10, at 6 cents. I weighed them up on Nov. 10. They weighed 2,075 pounds. Taking \$79.40, cost of hogs, wheat and corn, from \$124.50, the price I received for hogs, leaves \$45.10. Take \$2.20 off for corn leaves \$41.90 for the 50 bushels of wheat, or 83 4-5 cents a bushel I received for my wheat by feeding it to hogs. My hogs ran in a woods lot where they got all the water they wished and ate all the acorns they wanted. So I count 83 4-5 cents the price I got for my wheat.-E. Evans of Tennessee in St. Louis Journal of Agriculture.

Live Stock Points.

"Turkeys simply cannot stand it to be confined," says The Fanciers' Review. "The cold will not hurt them provided they have plenty of corn."

To "draw" poultry is to disembowel it. Talk to your horses.

A Vermont stage driver complains that farmers do not understand business courtesies and have no regard for their word when a buyer comes along and offers them a few cents more, say, for a lot of pigs than they have already bargained with one dealer to deliver the pork for. They let the animals go to the higher bidder with never a suspicion that they are both dishonest and unbusinesslike. Well, we don't believe this accusation against farmers.

The stallion Onward has added 14 trotters and 5 pacers to the class of his progeny that can go a mile in 2:30.

Electioneer has produced 144 colts that are included in the 2:30 class.

Don D. Donnan of the Chicago Inter Ocean is writing the history of the world's great brood mares.

A New York horse dealer says, "The same horse that five years ago would bring \$200 to \$500 can now be had for from \$75 to \$150." The reason is that horse stock has improved so much in the time mentioned that what was a fine horse then is not noticed now. Farmers must bear this in mind and breed accord-

An experienced hog raiser declares that, while there is plenty of money in importing fine swine for breeding, there is none at all in importing them for sale.

The hard times caused poultry to be low in city markets during the holidays. Never mind. Better luck next year.

A man who is feeding 1,500 lambs on a ration which includes half a pound of wheat to each daily reports that the lambs thrive finely.

The one safe rule about feeding is to give at one time only as much as the animal will eat up clean. Watch and find out how much that is,

HOW TO BECOME PRETTY.

Timely Hints as to the Acquisition of Love-

The hot bath is the bath most esteemover, and most was dry enough to burn ed by our world famed beautiful womfor many weeks this fall, I have abunden, so hot at first to be carefully enterdance of feed for my stock for the next ed; this done with due caution, let the eight months. I have my usual root water be fragrant with benzein and crop. I have a five acre "patch" that I foaming with the finest of soap. Use a believe will yield enough roots to give 80 | linen or Turkish washrag and rub and head 30 pounds each a day for 125 days. scrub every inch of the body until it is glowing with healthy vigor. After the scrub, let out the hot water very gradually while the cold spigot empties the cold into the bath-but you must not get out-and the temperature of the bath will be so gradually reduced that no shock will be felt; then rinse as carefully as possible, and you will rise from

The diet is of almost as much import face use benzoin lotion frequently and Keep in mind 10 hours must pass after a triweekly vapor bath. Freckles are lemon juice and borax very often meets sonable efficient secretary, the business

"Cartes de Visites."

photographic portraits called cartes de visites" were so designated because the Duke of Parma, in 1857, had his portrait photographed by M. Ferfive acres of roots than five acres of oats, extended to Paris and London. The I could feed profitably the coming win- name is still used all over the civilized world, though no longer applicable.

How to Cleanse Red Tablecloths.

Turkey red cloths, if of good quality, will wash without fading, but it is a wise precaution to put a handful of black pepper in the first wash water for any colored napery.

Red cloth must not be starched. For buff or cream ones, use starch colored with clear black coffee. Very delicate tints are somewhat preserved by soaking before washing in sugar of lead water for half an hour.

Very fine or delicate doilles are best cleaned with naphtha.

Lay them in a white earthen vessel and cover with the fluid; agitate rapid-If all the dirt is not removed, put into another vessel and pour on more naphtha. They will of course need several days' airing to be rid of the smell.

If not too much soiled, they may be pinned out on a table covered with a sheet and strewn thickly with powdered cornstarch. Rub it well in, let it remain half an hour, then brush off with a soft brush, after which lay your doilies a few minutes in the sun or before the stove and shake or beat out against the hands the little starch that clings

Embroidered bits, such as traycloths, center pieces and carving cloths, may be cleaned by covering them with good white soapsuds and setting them for two hours in sunshine, after which rinse and hang to drain, without wringing, and iron as directed for an embroidered

How Ivory May Be Prepared For Painting. with the juice of garlic. This will remove its greasy quality, which prevents the color from fixing on the ground, and it is said to be more useful than either soap or ox gall.

How to Shine In Society.

an ordinary command of the English language are necessary if you want to come a brilliant conversationist.

Into the notebook should go those good stories, those admirable bits of ecdotes about persons who are of passing interest should also be jotted down.

It is even advisable for the would be conversationist to go to those older and more brilliant than herself and be a mark of flattering regard for which goods. the coacher ought to be willing to pay in choice jokes and rare stories-always provided that he or she did not need the entire stock on hand for the same dinner. There need be no deceit about using such stories. The woman who says, "Oh, by the way, have you heard Mr. Jones' last?" will have satisfied every claim of honesty, and at the same time will have contributed to the success of the party. And if one is willing to study colors and styles for one's dinner gown why not stories for one's ta-

How to Wash Merino Stockings.

Wash them in a warm lather made by boiling soap in water, then rinse in another lather, also warm. Merino must not be rubbed with scap, nor washed or rinsed in cold water.

Why Inks Are Called "Invisible." Sympathetic inks are preparations used for forming characters which only become visible on the application of chemicals which form in themselves breeder and dairyman. colorless solutions, but which develop color under the influence of re-agents, may be used as sympathetic inks, but they are of little practical utility. Characters written in a weak solution of gall develop a dark color on being treated with a weak solution of copperas, or vice versa. Writings done in various preparations develop color on heating, which fades as the paper cools. Among such substances are solutions of the acetate and the chloride of cobalt and the chloride of nickel. Characters traced in a weak solution of nitrate of ailver darken on exposure to light.

How to Make Graham Puffs. One pint of graham flour, an egg, a teaspoonful of salt, a tablespoonful of



THE CREAMERY SECRETARY.

He Is the Pivot Around Which a Butter Factory Revolves.

The reasons multiply for the selection of a conservative and thoroughly practical man for the care of any public institution or association, I believe that the successful creamery secretaries of Iowa are those who hold responsible positions year after year, and have developed business talent in other occupations and the creameries get the benefit of it. The systems of management of creameries are almost as numerous as the creameries themselves. With the interlacings of authority common in such cases there is no dearth of management, whatever may be said of the quality. Boards at the very best are unwieldy, and except in the capacity of auditors of accounts are likely to require too much time for action, especially in emergencies.

As a rule singleness of management is safer in his hands than when absolutely dependent upon a board for its management. The keeping of the books, the necessary payment for milk or cream and the care of the shipping accounts are his part in any case, and if there is added the consignment of goods probability is that the creamery will be the gainer thereby.

The experiment is usually tried at the outset of keeping too meager a set of books. I have gone on from a limited outfit at the beginning to a complete set of double entry, showing every transaction of the creamery, and the balance of every account of patrons and commission firms at every entry, and I would not stop short of this on any consideration likely to be held out. The possibility of mistakes makes such a plan of bookkeeping thoroughly desirable. This is espe cially true of co-operative creameries. In these every stockholder is a partner. Each one is entitled to an exact and detailed account of the business. The only hope of continued satisfaction on his part lies in making everything plain to him. Generally speaking, the greater the amount of knowledge concerning the creamery management, the more certain it is that he will be satisfied and assist in satisfying others.

Upon examination it will be found that most of the hurtful things said about a creamery contain simply enough of truth upon which to hang that which is untrue and damaging in character. It is a case where "a little knowledge is a dangerous thing.

A check given by the secretary should be prima facie evidence of the whole transaction. It should contain the date to which payment is made, the gross amount of milk, the average test for the period of payment, the pounds of butter fat, the price per pound of the butter and the amount deducted from the whole sum to the sinking fund. The amount remaining to be paid should follow as a matter of course. But the best plan is to have all the foregoing information extended upon a stub to be retained Ivory may be prepared as a ground by the patron, the check proper containfor miniature painting by cleansing the ing simply the features of a common leaves or plates and rubbing them over check directing the payment due the when the sizing may be done. Dissolve

patron. Misunderstandings arise from patrons of rival creameries comparing checks under the present various methods. The checks do not show all the facts and are therefore incapable of fair comparison, Concealment of facts from those to whom A notebook, a retentive memory and it is due never contributes to good will or success of any business. It is doubtful if any class of men on earth are more at the mercy of those with whom they deal than those who are stockholders of our co-operative creameries. What with repartee, which are floating about. An- the almost absolute ignorance of the commercial standing of the city firms and the guileless grace of that energetic army of good fellows who by rail and road cart wonder the unsophisticated creamery humbly ask to be "coached." It would man can do nothing but deliver the

A complete shipping book should contain blanks for date of shipment, the consignee, the gross weight, the number of tubs, amount of draft made, date of receipt at destination, net weight there, price paid, average price per tub, gross proceeds and net proceeds.

Butter worked on a horizontal worker will weigh heavily. The reason is that the butter is worked drier. This bears upon the "holding out."-Address of I. W. Edson, Reported in Creamery Jour-

Dairy and Creamery.

Pasteurizing apparatus for dairies and creameries is now made in Germany and shipped to this country. But it need not Let some of the dairy chemists at our agricultural stations take the matter in hand and invent a pasteurizing apparatus of their own. It was an agricultural experiment station professor that gave the world the Babcock milk and cream test. That is what these stations are for-to find new and better ways of heat or of some chemical agent. Many doing things for the farmer, live stock

Two hundred men cannot run a creamery successfully when they all want to be boss and not one of them knows anything about the creamery business.

The late secretary of agriculture, Jeremiah Rusk, had he remained in office, would next have taken up, in the interests of American dairymen and creamerymen, the especial investigation of oleomargarine manufacture.

One milkman who does not deliver milk on Sunday says he carries Saturday evening's milk around late on Saturday night for his customers' Sunday use, while the Sunday night's milk he delivers on Monday morning.

Both creameries and private dairymen should pay more attention to the develbaking powder; wet with milk or wa- opment of a cream trade. There are great posaibilities in it.

HOW TO FRAME AND HANG PICTURES.

Rules For Regulating Selections For Cuttage or City Drawing Boum.

The pictures must suit the size of the room, the purpose to which the room is put and its furnishing. In a drawing room the decorations should be excellent works of art, and the walls should not be crowded. One at least should be large enough to show by itself on an extended wall space. Smaller ones may be grouped. A parti colored wall kills the loveliest of pictures. When the pictures are too choice to hang in an inferior room, first drape the decorated wall with some rich dark stuff, extending the drapery sufficiently far to have the relief needed. The color and quality of the drapery must of course be determined by the predominant color of the

In a library, large hall or dining room etchings and engravings are most suitable, and if possible have an engraving of Turner, or a more modern etching. In framing, avoid gorgeousness, and above all things reject those coarse rough stamped frames, gilt or silvered. Too much gold in picture frames is disastrous. Metal frames of fine workmanship only can be used, but they should be neither massive nor overwrought. They are absurdities when combined with small pictures.

Prints especially should not be inserted in gilded frames. They should have mats not too wide, of thick toned paper, surrounded by flat frames of oak or cherry. A small fine picture on a mat of rich dark velvet may show withand the purchase of supplies the strong in the mat a narrow gilt molding. The whole should then be inclosed in a glazed box of dark wood. On a light wall a black framed picture is a blot. also vice versa. In both cases a medium tone should be used in order to harmonize with background and picture.

Flat frames are suitable for water colors. Small prints or water colors may be grouped side by side, the same narrow frame inclosing each and surrounding all, and one glass covers the group. These are most suitable for sitting rooms and bedchambers. Picture wires are necessary. For artistic effects and cleanliness suspend them perpendicularly on a level with the eyes of a person of average height, and preserve the photographs of friends in the privacy of one's own room.

How to Make Cranberry Sauce, Wash and pick over 3 pints of berries. Put them in a saucepan over the fire, cover with 3 cups of boiling water and put the cover on the saucepan. When the berries begin to pop, take from the fire, press through a colander, add three cups of granulated sugar and stir until it is dissolved.

How to Stain a Floor.

Cranberry sauce should not jelly.

Wash the floor with soda and water. Fill in all cracks in the floor with either strips of wood or plaster of paris, having some of the stain mixed with the latter. The stain must be diluted for this purpose. Any soft portions of the wood must be sized before staining or they will absorb too much and make darker spots than elsewhere in the room. Apply the stain plentifully along the boards with a clean brush, from a deep pan or basin. As it flows very freely over the wood the work must be done very quickly. When the staining is finished, let it remain until next morning, this in water, one pound to the gallon, and apply it moderately warm. One hundred and fifty degrees F, is about the right temperature. Then varnishing may be done. Do not put on the varnish too thickly. Be careful that for each process your brush be clean and dry. Avoid placing any article of furniture on the varnished surface for FAMILY -:- GROCERIES a day or two.

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# Only the Scars Remain.

see in regard to certain medicines performing cures, cleansing the blood, etc.," writes HENRY HUDSON, of the James Smith Woolen Machinery Co.,



Philadelphia, Pa., "none impress me more than my own case. Twenty years ago, at the age of 18 years, I had swellings come on my legs, which broke and secame running sores. Our family physician could do me no good, and it was feared that the bones by my good old mother urged me to try Ayer's Sarsuparilla. I took three bottles, the sores healed, and I have not been troubled since. Only the scars remain, and the memory of the past, to

remind me of the good Ayer's Sarsaparilla has done me. I now weigh two hundred and twenty pounds, and am in the best of health. I have been on the road for the past twelve years, have noticed Ayer's Sarsaparilla advertised in all parts of the United States, and always take pleasure in telling what good it did for me."

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AN INTERESTING SKETCH.

Nothing appeals so strongly to a mother's affection as her daughter just building into womanhood. Following is an instance: "Our daughter. Blanche, now 15 years of age, had been terribly afflicted with nervousness, and had loot the entire use of her right arm. She was in such a condition that we had to keep her from school and shandon her soulce lessons. In fact, we feared St. Vilus dance, and are positive but for an invaluable remedy she would have had that terrible affliction. We had engloyed physicians, but she received no benefit from them. The first of last August she weighed but 75 points, and although she has taken only three bottles of Norvine she now weighs 165 pounds; her nervousness and symptoms of st. Vilus dance are entirely gone, also attends school regularly, and studies with comfort and ease. She has recovered complete use of her arm, her appetite is splendid, and no moner owild procure for our daughter the health Dr. Miles Norvine has brought her.

When my brother recommended the remedy I had no faith in patent medicines, and would not listen to him, but as a last resort he sent us a bottle, we began giving it to Blanche, and the effect was almost immediate."—Mrs. R. R. Builock, Brighton, N. Y.

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