Seasonable and Profitable Hints for the Busy Tillers of the Soil.

### MILK PRODUCING FUNCTIONS.

Of all the functions of the animal organism, none has been more modified than that of milk production. The milk producing cow of to-day is artificial development. Her power to elaborate milk far exceeds what nature designed. Her motherly functions, rarely kept up in state of nature more than five or six months, are now taxing her system ten, eleven, and sometimes twelve months of the year.

This unusual development of the milking functions has also favored the development of the nervous system. In fact, the function of reproduction and its natural sequence, the formation of milk seems to be closely correlated to the ner-

vous system. Just how the milk is formed, just what influence the food constituents exert on the quality of the milk, are questions which baffle our best scieotists.

constituents of the milk are built up is it a matter of families within a out of the blood, into the cell breed, but must rather be the restructure of the udder, and that sults of a study or individuals. these cells are again broken down to There are many meritorious dairy form the milk. The wonderful de- animals whose names have never ment of the milk helps to show the not possessed by grades, is in great drain which the work of this organ must cause on the energy of the animal. Her power to elaborate milk is indicated, to a certain degree, by the size and substance this organ.

The size and substance of the udder, however, when taken as evidence of an economical milk producer, is often deceptive.

### THE AMOUNT OF MILK.

produced for the first few months after calving is usually indicated by the cow is "fresh," but persistence in milk production, a most valuable quality, cannot be judged by the udder capacity of the cow.

To the producer of dairy stock for sale, the question of breed is one of prime importance. The general quantity and quality of the products of the different breeds will vary not a little, and should be ability to arrange work so as to good soap to make a suds. The cleaned with gasoline and for these legs and bit him gently but firmly carefully considered by every dairy- avoid loss of time. City business mop should be be of soft flannel or prepare a suds of luke-warm water on the hock. The effect was electriman before deciding on the best men with great interests and re- knit underwear. The borax makes and ivory soap. Wash them as you cal, the horse springing to his feet, breed for a particular purpose.

the results of experiments, indicate ing as much in the five cr six hours ferred to painted ones, get a gallon that on the whole the Holsteins and spent at their desks as others do of linseed oil and a large brush. tially dry. Take down while still intelligence. Ayrshires are characteristically in a day by haphazard methods. Heat a quart of oil at a time, and damp and roll smoothly over a wide milk-producing breeds, while the Here and there a farmer is found apply it almost boiling. Two Jerseys and the Guernseys are char- who has a reputation for getting three coats are necessary, and acteristically butter breeds.

are no good butter cows among the strength, superior teams and tools Holsteins or Ayrshires, nor that the or favorably situated farm, but Jerseys or Guernseys are always merely the knack of doing things. unprofitable for the milk production. A man of this type acts as ginger | When the feet are pressed into tight It simply means that the general and pepper sauce for a whole neigh- fitting shoes-high heels make the tendency among the Holsteins and borhood. Through his example other pressure greater-- by adding friction Ayrshires is to produce large quan- farmers are stirred up, perhaps un- we have a needle-like point formed titics of milk, rather low in per consciously, to do tetter work. His in the skin; and the greater the prescent. of butter fat, while the Jer- influence on the young is of great sure the deeper the point will grow. seys and the Guernseys produce value. A farm community without The best preventive remedy known is much smaller amounts of milk, of a men of this stamp is in a bad way. really to go barefooted; but since dipped in the ashes. relatively high rercentage of butter Things drag along year after year, this is not considered ethical in civ-

tinctive breeds.

stock knows something regarding the relative value of families or strains within his chosen breed, but even when we have made a close study of breeds and families, we still find

# INDIVIDUAL DIFFERENCES

as indicated by productiveness.

cannot well be judged.

have their standards for judging cess of years the new unavailable Sweet Apple Pickle.—Take four box tied around his neck inviting milk you sell." The subject of naanimals of their particular breeds. plant food becomes available, some pounds sweet apples, pared and donations to the Railway Servants' It is a different matter to say just each year. We have but to put back quartered. Make a syrup of three Widows and Orphans Fund. The what weight should be given to the on the soil year by year as much pounds of sugar and a pint of vine- sum total of his collections exceeds various points which are known to as we take off in the way of fer- gar, half an ounce of stick cinna- \$4,000. be, or thought to be, indicative of tilizer to gradually bring back the mon and a quarter ounce of whole

dairy qualities.

that a revision of the standards of than no process of recuperation. judging is now of greater significance than has been given to them in the past, are the digestive and the nervous system of the animal.

[larger development of the barrel just in front of the udder than is seen in other dairy cows. The barrel should be decidedly pear-shaped, as shown by a cross-section, with the largest part of the barrel low down and just in front of the udder. A flat-sided form of the barrel is decidedly objectionable and indicates a lack of assimilative

Several of the standards for thoroughbred stock by breeders' associations call for a straight back, back level to the

### SETTING OF THE TAIL.

The two points which most strikingly indicate a nervous development, are a broad, clear, prominent eye, and loose, open condition of the spinal column with a prominent pelvic arch. This loose, open condition of the vertebrae of the spinal column is almost always accompanied by a somewhat hollowing back and a decided prominence at the pelvic arch.

A cow of a decidedly nervous make-up is almost always thin flesh, usually rather too much so to in please the fancy buyer. But if connection with a strong, nervous temperament, she also, has a powerful digestive system, she will turn her energies almost entirely to the production of milk and butter.

As we have already indicated, the selection of valuable dairy cows is All we can say to-day, is that the not wholly a matter of breed, nor

velopment of the blood vessels in been found in the herd books. In and about the udder, which carry fact, about the only point wherein the necessary fluid for the develop- thoroughbred stock has advantages finds very convenient is a cupboard ly, and can like fruit, or if you pregreater degree of certainty with which their valuable qualities are transmitted.

The majority of dairymen will not be breeders of thoroughbred stock, either from choice or lack of capital, but every practical dairyman should be a student of the dairy ject of much anxious thought. Carform and of dairy types. By the pets are out of place, and oil cloth selection of the best thoroughbred is expensive and not very durable. males on the one side, and the The best finish is either paint or oil. typical dairy form on the part of the cow, a strain of as valuable ed in almost any color you may sestock, when measured by their proa large and capacious udder, when ducts, may, in the course of a few first plenty of time to dry before to the air and sunshine until all ful business, and would immediately generations, be produced, as can be putting on the second. Some who odor has disappeared. No pressing give chase. found among the best thorough- have tried painted floors have com- will be necessary. Pour off the clear breds with lengthy pedigrees.

### METHOD IN FARM WORK.

Lack of time is an excuse often given for the neglect of farm work, ter until luke warm, dissolve a little will do to use several times. while the real trouble is lack of powdered borax in it, and enough White ribbons turn yeilow when ed between the prostrate animal's sponsibilities train themselves to the cleaning easy without injuring would a fine handkerchief, do not and amid the plaudits of the by-Unprejudiced experience, as well as think and work systematically, do- the paint. If oiled floors are pre- wring, but squeeze them through the standers "Tim" walked quietly away along with his work better than floor should be thoroughly clean and This does not imply that there others. It may not be his physical dry before you begin work. and the young grow up without litized life, we will give a few win-When all is said, that may reason- anything to spur them on to bet- ple remedies which may be of some ably be said regarding the merits of ter things. In the city a young man value for the afflicted. different breeds, however, we often is sure to have whatever latent am- 1. Place on the corn a piece of find there are about as great differ- bition is in him aroused. The strug- cold, moist linen folded several ences between individuals within a gle for position is so great that he times, wrap it up in dry linen, then ter. All the fat will remain on the a glass case in Paddington Station. breed, as between individuals of dis- must either move on or see others go to bed. With this treatment the pass him, a hard thing for a self- hard epidermis swells up, and after Every producer of thoroughbred respecting young man to endure.

## RICH LAND.

always imagines himself owning rich corn) can be extracted without pain let it simmer half an hour. Drop cents. He was bitten by a buildog land. There is no other kind that or bleeding. By washing the feet from a spoon on a hot griddle and some time ago, and the wound, nevit is a pleasure to till. There is no often in cold water the tender place brown on both sides. Eat with er properly healing, hastened his other kind that will yield a profit will heal rapidly. After getting rid butter and syrup. which greatly modify the productive from the operation of tillage. The of this corn it is well to wear shoes value of the animals. In fact, it richness of land regulates the value which are neither too large nor too seems a matter to be regretted that of the farm both in the market and small, so as to avoid excessive presso many of the high-priced strains in the operation of farming. Yet in sure or friction: of thoroughbred stock are high- the face of this well-known fact, 2. In place of the linen a crust of priced more as a matter of fancy millions of acres of our most valu- bread soaked in vinegar may be apthan as a matter of individual merit able and productive land have been plied. allowed to deteriorate in fertility. In the end we must come down to The great problem of how to bring a whole onion twenty-four hours in the matter of selection and indi- them back to their former state of vinegar, then apply one of the lay- Collected Donations for the Railvidual merit, as indicated by pro- fertility is one with which the best ers of the onion to the corn and ductiveness, as the true basis upon of scientists are working. It is not keep it in place by a bandage which to build up the herd. The practical for a man to buy enough through the night. After repeating matter of selection may apply well stable manure or commercial fer- this procedure a few times, the corn to the selection of ordinary grade tilizers to at once bring back his can be removed without any troustock, as well as the selection of land to its original state. A few ble. By either of these simple apanimals for breeding. It has long facts in relation to the composition plications this troublesome agent been known that there are certain of the soil helps us in determining can be removed without any danger external points in the animal which the best course to pursue. One of of blood poison, and, "free of are indicative of other points of these facts is that the poverty of charge." value, which in and of themselves, the land comes principally from the exhaustion of the plant food that is Nearly all breeders' associations not at once available. In the pro-

## DISAPPOINTED DUCKS.

The absence of water, owing to the dairy products. will show a much | make desperate effects to swim.

Recipes for the Kitchen. Hygiene and Other Notes for the Housekeeper.

KITCHEN HELPS.

If you are planning a new house, is as hard as a chip. even if the parlor is not as elabor- inferior fruit, though "the best that will apply to all of them.

built in the partition, with a door fer, bottle it, and seal the bottles. opening into the kitchen and another into the dining room. The cupboard reaches from the ceiling half way to the floor. Below this are drawers, some opening into one room and some into the other.

The kitchen floor has been the subor the

## HOW TO CURE CORNS.

six or eight hours the outer covering of the corn can be removed with

3. The best application is to soak

## DOMESTIC RECIPES.

ter, and cook till a straw will pene- taken of him.

trate them easily. Take them out, being careful not to break them, on flat dishes. To each cup of the water in which they were cooked allow three-quarters of a pound of sugar, ed to divine the reason why carpet boil to a rich syrup, put in the quinces, simmer very gently on the back he would sit with his nose between of the stove till transparent, or his paws and refuse to budge until nearly so, carefully fili into jars, and the Royal travelers came. fill up with the syrup, after boiling

be sure to arrange everything in the Quince Marmalade.-Quince markitchen as conveniently as possible, malade may be made of the smaller, ately furnished or decorated as you good enough" for a superior arwould like. The kitchen is the ticle. Pare, quarter, core and workroom of the house, the room in weigh the fruit. Put the cores, which the average housekeeper seeds and parings into water enough did not emerge until his collecting spends the most of her time, and it to cover them, and stew till thor- box had been enriched. should be pleasantly located and oughly done. Squeeze through a jelwell lighted, for nothing is more dis- ly bag. Put the quinces into this agreeable than a dark, gloomy kit-liquid and boil till thoroughly done, Of course its arrangement stirring often to prevent burning. must be left to the individual taste, Allow three-fourths of a pound of for every woman who has kept house sugar to a pound of fruit, warm the a few years has her own ideas as sugar, stir it into the quince, cook Irish terrier "Jack," between whom what she likes in her kitchen; ten minutes, put into glasses and still there are a few general rules seal by pasting paper over it after blance. it has become cold.

When the kitchen is used only for Grape Juice.—Take twenty-five lbs. cooking, and separate rooms have of well-ripened Concord grapes, pick by none more keenly than the youngbeen provided for dining room and from the stems, put on the back of laundry, it should be a small room. the stove, and let them heat up occasion to make frequent railway Have the sink and woodbox close slowly, without water, till the juice journeys to and from Windsor. One to the stove, so the trips back and starts. When thoroughly cooked day Mr. Bush received a telegram forth while replenishing the fire and turn into stout jelly bags and drain from Queen Victoria to have "Tim" washing the dishes will be as short off the juice without squeezing. Let as possible. There should be a door stand till well settled, then pour off opening into the dining room, an- the juice without disturbing the setother into the pantry, and a third tlings add to the juice four pounds jesty to Princess Henry of Batteninto the cellar stairway. An ar- of the best granulated sugar, heat berg, and her daughter Princess Ena, rangement which one housekeeper to the boiling point, skim thorough-

### CLEANING RIBBONS.

Fill a glass fruit jar about threefourths full of gasoline, put in your Mr. Astor made "Tim" the very soiled ribbons of any kind or color, handsome present of a cheque for except white; screw the cover down \$1,000 on the occasion on the comas tightly as possible. Leave the ing of age of his son four years ago. ribbons in for three or four hours; For many years "Tim" was held shaking the jar several times in the by the mischievous boys who infectmeantime. Then take out the rib- ed Paddington in greater respect Paint can be purchased already mix- bons, shake out each one separately, than they accorded the station poand hang over a clean white cloth liceman. He instinctively seemed to lect. Apply two coats giving the in the open air; leave them exposed realize when a loiterer had no lawplained that the paint does not wear gasoline into your tank and empty well. This is due to the way it has out the dirt which will have settled Once a horse fell down in the shafts been cleaned. It is not necessary to in bottom of jar. The same gaso- of a heavy van, and after every huuse a scrubbing brush, boiling wa- line can be returned to the jar if one man effort to get him up failed ter, lye nor salsoda. Heat the wa- wishes, keeping it tightly covered. It "Tim," who had been an interested

enough to cover the ribbon entirely come out fresh and clean and in much better shape than when ironed.

## HINTS TO HOUSEKEEPERS.

There is nothing equal to finely- give you the same lesson. sifted coal ashes for brightening me- | Three times "Tim" stood his mastals of all kinds-brass, tin, copper, ter in good stead when attacked in nickel. Rub over with a damp cloth the course of his duty by station

and there is no time to let it cool man's coat and pull him to the and remove the fat in the usual way. ground, but never bite. Every particle of fat can be removed | Poor "Tim" is now in the hands from hot broth by passing it through of the taxidermist, and will soon a clean white cloth, wet in cold wa- occupy a prominent position under cloth, and may be obtained by scrap- It was a similar figure in Brighton ing or by putting the cloth into hot Station that ten years ago gave Mr. water.

a dull knife. When this treatment what to have for supper try this: more than a puppy. has been followed for three or four Scald a pint of fine cornmeal in "Tim's" last day on duty was on The man that dreams of farming days, a small needle-like growth (the boiling milk; add a little salt and August 22, when he collected 50

THIS DOG EARNED \$4,000 DOL-

LARS.

way Servants' Widows and Orphans' Fund.

Tim, the most successful canine mendicant that ever wagged a tail in the (ause of charity, is dead, says the London Daily Mail. He was an Airedale terrier, and belonged to Mr. Bush, the almost equally wellknown Great Western Railway inspector at Paddington. iFor more heard father say that you put pear than ten years Tim has cheerfully trotted from train to train with a

Tim numbered his patrons among land to a rich condition, by the cloves. Put the fruit in the syrup, the highest in the land, and frequent-In the light of recent developments annual increase of available plant after skimming it, and cook gently ly came in for Royal recognition. He of science, however, it seems to food from natural causes. This is a till tender; boil down the syrup, fill was an especial favorite of Queen promised by French hatters for nex many careful students of dairying slow precess, but it is far better up the cans and seal. If the apples Victoria, who on five separate occa- season. Straw hats are to be mad are inclined to be tough, steam them sions called Tim to her and placed in future of paper. There will b till partly done first. Pears and a golden coin in his box. On the two kinds of straw-colored hats; peaches can be pickled by this re- last occasion that her late Majesty cheap one, to be obtained at th took notice to Tim she called him modest price of fivepence, and Preserved Quinces .- Pare, quarter and his master into the Royal sa- more expensive one, to be bought fo as indicated mainly by the size and great drought, led a flight of ducks and core nice large quinces, dropping loon, and, patting the dog on the half a crown. The latter looks ex shape of the barrel, and the other, at Cobar, New South Wales, to the pieces, as you prepare them, in- head, said: "I hope they treat you actly like the genuine article. The make a strange mistake. They were to cold water. When all are done, kindly, Tim." Tim's clear eye and paper of which it is made is untear A careful study of cows which seen to descend on to the shiny sur- drain and weigh them. Put into a pre- healthy coat always bore eloquent able, and unaffected by rain. The

IN THE ROYAL SALOON.

Tim was always a very privileged spectator of Royal arrivals and departures at Paddington. He seemwas laid on the platform, for there

He never needed a second invitait down if necessary. If you try tion to enter the Royal saloon. Not this method you will never return to long ago the King, after having the old way of putting the quince in- taken his seat, saw Tim gazing to the hot syrup and boiling till it wistfully up and asking, as plainly as any dog could, to be noticed. The train was delayed while his Majesty, reopening the door, cried: "Come along, old man," and Tim, heedless of the dislocation of the official time-table, leaped beside his Royal patron in the carriage, whence he

A picture of "Tim" in oils now hangs on the walls of the King's apartments in Buckingham Palace, and so successful is the portrait that his Majesty commissioned the artist to execute a painting of his favorite and "Tim" there was some resem-

"Tim" was a general Royal favorite, and his death will be deplored er princes and princesses who had in readiness on the Paddington platorm. When the train arrived "Tim" was introduced by her late Maand went through the ordeal with becoming dignity.

He also attracted the attention of Mr. W. W. Astor, who was a frequent contributor to his box on his journeys to and from Taplow Court.

### CURIOUS STORIES.

"Tim" had a great love for horses. spectator, from the footpath, walkfingers. Rinse and let them par- serene in the superiority of canine

On another occasion an exasperatcard-board, rolling a strip of white ed cabman was unduly belaboring a cloth with it. Have the cloth long refractory horse, and Mr. Bush, an indignant eye-witness, was on the and place the whole under a heavy point of interfering when "Tim," weight. Leave them until they have divining his intention, sprang at the had time to dry. The ribbon will driver's coat and hauled him to the ground. On arising the cabman was too astonished or abashed to make any rejoinder to Mr. Bush's comment: "I was just coming across to

roughs. His procedure was always Sometimes the soap is too greasy the same. He would hang on to the

Bush the idea of turning "Tim" to Some time when you are in doubt charitable uses when he was little

"Women are hard to understand. I told her she carried her age well, and she was offended." "Was she, really ?" "Yes; and then I told her she didn't carry it well, and she wouldn't speak."

"I guess that ain't me," said little Ralph, as he gazed carnestly at a photograph of himself. "What makes you think it isn't ?" asked his mother. "Cause it's standing still too long to be me," was the

"Did you ever stop to think," said the village shopkeeper, recent ly, as he measured out half a peck of potatoes, "that these potatoes contain sugar, water, and starch ?" "No, I didn't replied the boy, "! and beans in your coffee, and about a pint of water in every quart o tural philosophy was dropped.

## PAPER "STRAW" HATS.

A novelty in "straw hats" i have been noted for a large amount face of a galvanized iron roof and serving pan, cover with boiling wa- testimony to the care that was hats are being manufactured Lyons.