

CARE OF MILK.

An authority on dairying says that "all the results of scientific investipractical application in the treatment of disease, in disinfection and in the preservation of various products, are almost entirely ignored in milking." On the above subject Mr. F. W. Bouska says that this is not principles is difficult or hard to understand, but rather because their

value is not realized. and starts the credit side of her acerable expense is involved in the buycharacter, so that the cow, together with her care and the feed she con- perous farming centres. sumes, represents considerable capital. To this must be added the labor of milking, there being no returns until money is received for the The value of the milk de-

pends upon its keeping quality. it is sold for table use it should not only keep until delivered, but a reasonable time afterwards to give satisfaction. If it is to be made into butter or cheese it should keep well, because otherwise taints develop that may lower the value of the product enough to materially cut the price. At the best the entire profit on milk is comparatively small, and when the

quality is poor

IT MAY OCCASION A LOSS. It is deplorable that after so many laborious and expensive details milk frequently is more or less injured through lack of care just before it passes out of the farmer's hands. The additional effort involved to keep the milk properly is scarcely appreciable when compared with the routine involved before the milk can be marketed, even in a In this matter success poor state. may truly be traced to the little For example, the milk should be drawn by a clean milker into clean pails and pans; these utensils should be washed with hot water, a brush and such materials as salsoda, borax or washing powder. After this the vessels should be rinsed and aired perfectly in the sun. The stable and cows should be kept clean, for exclusion of dirt is one of the two principles of milk preservation. The other principle is coolring or pouring.

ings. If mixing is necessary morning milk should be cooled at least to the same temperature as the evening before adding.

KEEPING UP THE FARM.

One of the things that the wideawake farmer needs to look to more than ever before is keeping the farm up to a high standard of production. When produce of any kind is sold off of the farm it takes with it a certain stance which is saturated with a amount of fertility. To return it volatile hydrocarbide such as naphback to the soil in as economical a tha or petroleum. The porous matway as possible is a matter of no ter is a combustible; for example, small consideration. When market- coke, and we will see in a moment ing a crop the farmer should make a note of the kind of crop and the In passing through the filter the field on which it was grown, price smoke deposits on the coke a porreceived, and cost, as near as possi- tion of the hydrocarbides or tars ble, of the production of the pro- which it contains, at the same time duct. At the end of the year, by a becoming charged with the vapor of comparison, he will be able to prac- the volatile hydrocarbides with tice a correct rotation of crops, and which the porous matter is saturatalso be able to get an accurate ac- ed. After filtration the smoke count of his profit and loss. "Rut only composed of combustible gases, farming" is anything but modern such as oxide of carbon, hydrocarfarming, and the sooner the farmer bide vapors and hydrogen, and learns to estimate his farm plant and study in detail his conditions and how they may be improved by the introduction of new methods, the better it will be for him. The well posted farmer now-a-days is the suc-While special farming cessful one. will always find a place because such farming is adapted to certain localities, still diversified or mixed farming is bound to find a large place in this country, and it stands the farmer well in hand who is engaged in diversified farming to husband his crops and stock in such a way as to put back into the soil as much fer- which surrounds the filter, and this tility as possible that may be taken, hot water in turn can feed a boiler. out by disposing of farm products. If | Finally the porous matter, the coke he is selling considerable live stock of the filter, after having been he should aim to produce as much charged with condensed hydrocarof the feed used as possible, and bides and with the carbon in suspenfeed with an idea of getting returns sion in the smoke, forms an excellent pieces of horseradish on top of each. from the compost heap. Equally as and very rich combustible. In fact, great care should be exercised

WHERE FEED IS PURCHASED,

waste is essential. prive the soil of large quantities of produce the smallest loss the return break take out with a skimmer, nitrogen and phosphates. This holds is only fifteen per cent,"

good with those who raise, buy and fatten cattle for market. Nitrogen, phosphoric acid and lime are sent off fatten cattle for market. Nitrogen, of the farm in live stock and dairy products, leaving a greater part of the potash behind. Stable manure most cases is richer in potash than in nitrogen and phosphoric acid, especially so when produced by growing animals or dairy cows, the latter substances going largely to the production of bone, hair, flesh, milk and gation which have found such great tissue and are consequently sent away from the farm.

Specialists who are studying formulas of commercial fertilizers for crops perior to those of our grandmother's are depending more upon the natural production of the sections to which they are sending their fertilizers, the laundry. In spite of the cost of because the application of these than upon analysis. It is well for the farmer to understand thoroughly the products he is selling, or the crops he is producing and selling off Continuing, Mr. Bouska points out of the farm, and then strive to reach the great pains that are taken in a balance in nature that will prevent selecting and buying cows, as well a one-sided development of his soil. as the care exercised in bringing up If the farmers throughout the length It usually takes about and breadth of our country would three years before the heifer comes in |put more thought upon the sustaining of their farm and in keeping up count. In addition to this, consid- the fertility of their land, there would be fewer mortgages, less renting or raising of feeds of the proper ers, and many rural communities now going backward would become pros-

BRAN AS A FOOD.

One advantage possessed by bran is that it contains a fair proportion of the phosphates, and for that reason may be used with the ration in order to render it more complete. It is now advisable to feed it in the soft condition if it can be used by sprinkling it on cut clover that has been scalded, although a mess of scalded bran and ground oats in the morning of a cold winter day is very invigorating and nourishing. Even when the food is not varied boiler and brings them to the boilsome advantages may be derived by way of compensation for omission of certain foods, by the use of bran and linseed meal. Two pounds of bran, mixed with one pound of linseed meal and a pound of ground meat fed to the hens once a day, allowing a pint of the mixture to ten days, materials. As a food for chicks bran should always be scalded and allowed to stand for an hour or two in order to soften.

SMOKE MADE USEFUL.

Various Elements.

a nuisance, when produced in great are good for washing white clothes, quantities, as it is in our large but they should not be used for colcities and manufacturing centres. It ored clothes or flannels as soda darkens the light of day and vitiates bleaches the one and the rosin is inthe air—a sort of visible symbol of jurious to the other. Use a good error and ignorance.

ing. This should be done rapidly by ed to some good by which in its dis- quickly as possible in the shade. pouring from one vessel to another, appearance the air could not only be Starched clothes are dried in the passing it over an aerator or stirr- purified, but heat and light could be house in laundries, in order to keep ing in the vessel for some time. Of produced? If only the symbolized them stiff. If they are yellow, they course in cool weather the tempera- error and ignorance of society that are bleached in the sun, and afterture will lower somewhat quickly if vitiates the vital air of goodness ward starched and hung in the house the milk is allowed to stand, but it and obscures the light of truth could to dry. Colored dresses which are Is better to hasten matters by stir- be treated in the same way! Smoke, trimmed or combined with white we are told, is made up of pulveru- should be rinsed in cold water in Morning and evening milk mixed lent matters, incombustible gases, as which salt has been dissolved in usually keeps poorly because of the nitrogen and carbonic anhydride and about the proportion of a tablespoonfact that the morning milk raises the combustible gases, such as oxide of ful of water. temperature and consequently brings carbon, hydrocarbides, and hydroabout conditions for the development | gen. In the treatment of smoke the of the organisms in previous milk- desideratum is, by burning its combustible elements and making it disof the process of destruction.

> description of an apparatus used by bake quickly. M. Tobiansky who succeeds in separating the various elements in ful flour or cornstarch with one of smoke and making practical use of the combustible ones. In detail La dash pepper and one egg. Mix with Nature says:

"The operator by means of an instrument of suction forces the smoke into a filter filled with a porous sub-

WHY THIS IS SO. incombustible gas, as nitrogen and

carbonic acid. warms the water of the refrigerator the Tobiansky method makes the combustion of material employed in whatever way as complete as possiand feeding with judgment to avoid ble, and this is no small economy ples and put as many into the juice when one considers that in a loco-Those who sell butter and milk de- motive where all is combined to when the apples are so tender as to

About theHouse

TO LIGHTEN LAUNDRY WORK.

Washing day is justly dreaded. Anything that lightens the work is therefore especially welcome, but though the tools of to-day are sumodern invention has done comparatively little to lighten the labors of washing machines and the representazinc rubbing board is still the most useful tool that a good laundress can command.

One of the most important parts of washing is the assorting of the clothes. There are many stains which, like those of prespiration, disappear magically with a little cold water and soap, and others, like fruit and coffee, which must be treated with boiling water, but are permanently set by lukewarm water. If it is the practice of the family to soak all the clothes in cold water before the washing has begun, a great many stains will be permanently set; saved.

ways look as white as the driven The front of the waist should be left like the plague, snow says that it is best to soak unconfined by gathers, and when the seems to typify. They are used to coarse clothes in cold water, but the tape strings are tied together, the carry the lowest kind of peons, protable linens and fine clothes need not fronts may be made to blouse neatly fligates and criminals, and more be so treated. The same housekeep- and evenly without that baggy look often than not are carrying a load er says, that as soon as she has re- under the arms so annoying to many moved the stains from her clothes people, especially if they happen to fares, but who transfer their affect she puts them in cold water in a ing point, and then puts them in the washtub to be rubbed for the first The boiling starts the dirt, time. and the rubbing is much easier than it would otherwise be. After rub- justed and kept just where it is ed by little tin flags of the corresbing, the clothes are transferred at wanted without any fear that it will ponding color which are in plain view once to the first rinsing water, then gradually widen until it reaches the up by the seat of the driver. There to the second, and when they are under-arm seam. will greatly add to the egg producing | thoroughly rinsed they are put a few at a time into the bluing water, provided they have not been blued for several weeks. If they have, they are wrung out with the wringer and put out to dry. All white clothes should be dried outdoors in the strongest sunlight. Both the freez-Apparatus Which Separates the ing cold and the heat of the summer's sun bleach them. Brown soaps Smoke is not only a waste, it is usually contain rosin and soda, and white soap for this purpose. What now if smoke could be turn- colored clothes should be dried as

DOMESTIC RECIPES

Cookies.-One cup molasses, one appear, to find some profitable use cup brown sugar, one-half cup lard or butter, one teaspoonful ginger, La Nature has recently given a one dessert spoonful soda. Roll thin,

Salad Dressing.-Mix one teaspoondry mustard; one pinch salt, one one-half cup vinegar, then add onehalf cup boiling water and set on stove to boil until rather thick. Keep in a cool place.

Fruit Cake.-Three eggs, one cup brown sugar, two-thirds cup butter creamed, one cup of sour milk, one cup molasses, one teaspoonful soda, two teaspoonsful cinnamon, one teaspoonful cloves, one nutmeg, three cups flour, one pound currants, one pound raisins, one-quarter pound cit-

ron. Bake in a pan loaf. Cucumber Chowchow.-Peel ripe or seed cucumbers and measure three quarts; chop three pints of onion and two green peppers. Add one cup of tender nasturtium seeds, two ounces of white mustard seed, one tablespoon of black pepper and a few bits of horseradish or one round, syrup until it is thick, then pour over the "By this method M. Tobiansky ob- tomatoes, which have been placed in tains from smoke of all sorts the small jars. Seal and set is a dark greatest possible profit, utilizing first place, as tomatoes do not keep well the heat which is present in the in any form if exposed to the light. smoke for the purpose of heating the Tomato and Onion Pickle.-Peel hydrocarbides of the filter, the vol- and slice half a peck of onions and atilization of these hydrocarbides be- slice a peck of green tomatoes. Pack ing all the more complete and their in layers, sprinkle salt between them, employment all the easier since the using about a cup in all. Let the heavy hydrocarbides, such as petro. mixture stand over night, then drain leum, while being cheap, may per- and put in an agate or porcelain fectly answer every requirement of lined kettle with an ounce of whole this system. The heat of the smoke mustard seed, one ounce each of ground allspice and cloves and four red peppers cut into shreds. Heat some vinegar to the boiling point and pour on enough to cover the pickle. After it comes to the boiling point put into jars with a few

Apple Butter .- Boil unfermented apple juice until one-third has evaporated. Pare, core and slice good apas it will cover. Cook slowly and draining well. Put in a second sup-

apples or as many as the liquid will cover and cook like the Turn all together and let over night. Return to the kettle and cook until a smooth mass, stirring often, until the color is brown and there are no lumps. Add spices to the taste and put in small

Stuffed Green Peppers.-Slice large

green peppers half way across the stem end and pour boiling hot brine over them and let stand twenty-four hours. Drain and again pour scalding hot brine over, using one-cup of salt to one peck of peppers. At the end of the second twenty-four hours drain, 'take out the seeds and fill with the following mixture: Chop fine enough red cabbage to make four tions of their agents, a perforated quarts, stir in three quarters cup of salt and cover with boiling water, let stand over night, drain, add two cups of white sugar, a rounding tablespoon each of whole cloves, allspice and ground cinnamon. Fill the peppers, sew them together, lay in a stone jar and pour cold vinegar over. Keep the pickle under vinegar by a plate laid on and it will be ready to eat in about four weeks. If any stuffing is left put it in a jar, cover with hot vinegar and serve as a chopped pickle.

SHIRT WAIST COMFORTS.

A piece of narrow tape long but if the various kinds of stains are enough to go around the waist and carefully sorted out and properly tie will do much toward keeping the Mexico city, which are known as the treated hours of rubbing will be shirt waist in place. The tape red, or 'colorado;' the blue, or should be stitched across the back "azul," and the yellow, or "amaril-A housekeeper whose clothes al- and sides, and well toward the front. 10." The latter must be avoided be stout.

ments, which now-a-days all well

the waist, the blouse may be ad-

BEFORE STOCKINGS WEAR.

Pasting a bit of velvet or chamois in the heel of the shoe makes it more and a slip of paper must be pasted comfortable for a long tramp and inside each cab opposite the seat to saves the heel of the stocking from inform passengers of the rates, but wearing out so quickly. One should the cabby always expects a slight always darn the heels of a pair of hose before they are ever worn, generally secures half a dollar from especially when one wears fine cashmere, lisle thread or silk stockings. Odds and ends of crochet silk I like best for darning material, both for wear and the appearance of the darned article; the silk finished cottons are my next choice, while darning the uninitiated is likely to trip, cotton loses its color and seems un- There are scores of "fiestas," holisatisfactory in other ways.

A NOVEL HOUSE PLANT.

may top from a pineapple in a mixture of up their hands in despair, and resort loam, leaf mold and cow manure, to the universal Mexican fatalistic equal parts. It is equally as pretty expression: "Quien sabe?" The only a plant when well grown as any equivalent in English which would pandanus. It requires to be kept indicate the same amount of indiffer, constantly moist, same as ferns, but ence and despair is "God knows." not too wet and never allowed to become dry.

WHALEBONE GATEWAY.

In many parts of the country whalebones are made to serve useful and ornamental purposes. A case in point is at Shaldon, in South Devon, England, where a gateway is composed of this novel material. Presumably the relics came from a carcass which was stranded on the coast. Bones seemed to have had a fascination for the owner of the house, for they form quite a feature of the dwelling, the name-Hunter's over it. A convival Yankee wh Lodge-on the front being made of knucklebones from shoulders of mut-

"They tell me, professor, you have mastered all the modern tongues." "Well, yes; all but my wife's and her terns are held, and managed to mother's !"



Sunlight Soap will not injure your blankets or harden them. I will make them soft, white and

WHEN YOU RIDE IN MEXICO

Take the Cab With the Yellow Flag.

Cabs in Mexico city are only a trifle more expensive than in Paris, The charge for one "course" in Paris is one franc and a half, or 30 cents, and the charge for one "viaje" in Mexico city is three reals,

or 371 cents. The cabs are drawn by shaggy little ponies which are driven at breakneck speed, and are forever racing to the curbs on the broad "paseo" at the imminent risk of disaster. The one that arrives first gets the pas-

There are three grades of cabs in which their color of passengers who do not pay any tions to any uninfested neophyte who When the belt with the pin attach- happens to have the misfortune to enter the cab. The blue cabs are acgroomed shirt waist wearers consid- ceptable when a red cab is not to be er indispensable, is buckled around had, but the red cabs are the best.

These three grades are distinguishis a joint in the stick which supports the flag, and when the cab has a fare the flag is bent down.

The cab fares are regulated by law, "propina." For a three-real trip he a foreigner. The climate is so even and so beautiful and invigorating that more than half the vehicles are open victorias, but the rates for them are the same.

There is just one point upon which days, on the Mexican calendar, and on a "fiesta" day the usual rate in

olmost doubled. The drivers are unexceptionally Very pretty and decorative plants dense, and if one makes the slightest be obtained by planting the mistake in pronunciation they throw

Of course, the cabbies all try to cheat the "tourista," but an appea to a gendarme will quickly bring the cabby to his senses. The gendarm in Mexico city is armed with a re volver hanging in a holster on th left side, and he has no comounction about bringing a cabby to time with a flourish of that weapon.

At night the gendarmes stand i the middle of the street with a lan tern between their feet. They main tain the same position for hours, bu even if they go away, the lantern i sacred. Woe to the cabby who run once facetiously kicked one of the lanterns was stabbed by the police man. Fortunately the United State was represented in the person of An bassador Clayton, and he understoo the honor in which the police lar smooth over the difficulty.

