Notes and Instructions from Agricultural Colleges and Experiment Stations of Oregon and Washington, Specially Suitable to Pacific Coast Conditions

We will assume that 100 pounds, namely:

#### Directions.

liquid extract, for they should be dis- pressure is first applied by hanging appreciation of anything which is moist atmosphere, and naturally a to use them, but they will keep al- mold and after about an hour the most indefinitely, which is not true cheese is taken out and the cloth reof the extract when once opened.

temperature of 65 to 70 degrees until is gradually increased by moving the exercise itself, and directs the genmorning, and then pour it with an pail toward the end of the lever, and eral course of its activities, and it other six gallons of the morning's the cheese will be ready for the has the capacity less seldom exercised to control the range and manifestal soon as the head begins to be ex should not be exposed to cool drafts ing to the richness of the milk. and it is well, after the heating is Don't let the evening's milk get done, to cover with a cloth.

about two minutes, then pass the and sweet. back of the stirring dipper over the surface of the milk to stop any move ment. While the curdling is taking place it is important that there FASHION HINTS be no jarring of the milk, otherwise the coagulation will not be so per fect. Some makers prefer to use two rennet tablets, thereby saving time in the making, and the resulting cheese will also cure quicker.

Cutting-Rennet curdles the milk and if one tablet is used the curd should be ready to cut in twenty to thirty minutes. To tell when the curd is firm enough to cut, push the forefinger into the milk, bend the finger to a 45-degree angle, and raise It gently. If the curd breaks clean across the finger it is ready to cut. The cutting can be done with a wire toaster, a piece of sufficiently coarse wire netting, or even with a long knife. First cut slowly lengthwise, then crosswise until the curd is in nearly uniform pieces of about a If two tablets are half-inch cube. used the milk should be ready for cutting in about fifteen minutes. the evenings milk used should be pretty close to the souring point when the morning's milk is added, the curdling will take place somewhat more quickly, but the quality of the cheese is liable to suffer. The factory cheese-maker uses an accurate test to determine the condition of the milk as to its approach to sourness, but this is hardly practical for the ordinary farm cheese-maker.

Cooking-This is rather a mislead ing term since the temperature reached is only about 100 degrees, but the term is in common use among the factory makers, hence is used here. After cutting leave the curd alone for five minutes, then raise the temperature slowly, about 2 degrees in five minutes, to 98 to 100 degrees words sink into the minds of his by the use of the heating can, stirring spellbound listeners. gently all the time while heating. Then cover with a cloth and keep the temperature about 98 degrees for about forty minutes, or until the curd is sufficiently "cooked," stirring occasionally to prevent the curd from an' Marthy Baker, our next authorsticking together. If the temperature ess in order, hed to stay away tonight, falls too low the heating can will much to her vexation, becuz her pap's have to be used again. Another way got the roomertis." of heating the curd is to draw off a part of the whey, heat it to 130 to 140 degrees and pour it back. It is important that no particle of curd gets into the whey that is being heated. To determine when the curd is ready, take a handful and squeeze it hard in the hand for a moment; if of a pound of Malaga grapes, which ican surgeons in Chicago, recently. Dr. strong soapsuds, kerosene emulsion, it feels elastic and does not stick to have been skinned and seeded, sprin- Martin performed an operation which gether it has been cooked enough. kie liberally with sugar and chul showed his colleagues that his skill closing up their breathing pores, then If the milk was good the curd should thoroughly. Serve in the grapefruit and judgment had been in no way im-

of cheese in the farm home with the drained and before it gets a chance had been famous for 35 years before appliances which will usually be to stick together, add one-fourth found on the farm. A reliable dairy pound of fine salt and mix well. success in cheese-making depends to a large extent upon the proper control a large extent upon the proper control occasionally. When properly cooled scribing the brief audience to my last over the surface. This will effectively at the same time in another vessel, the curd should have a temperature ther," writes a correspondent, "Dickof temperature, and the "rule of of about 75 to 80 degrees. It is then ens said he could describe the queen's oil could be allowed to run of This of temperature, and the "rule of of about 75 to 80 degrees. It is then thumb" is not sufficiently accurate. It is then making, manner only as that of a little girls however, would not be permanent, as enough lime in the water it will burn

Molding and Pressing-The cheese ingly, using color, salt, and rennet without top or bottom, will serve the proportionately.

by eight inches and ten inches deep, without top or bottom, will serve the purpose fairly well. If the box is Coloring-It is not absolutely nection permit drainage for the whey, dress and must be excused. Where essary to color the cheese, but the But if several cheeses are to be made appearance will be considerably im- during the season we would strongly proved by the use of color. Remem-recommend the purchase of a regulaber that butter color will not do for tion cheese hop and regular seamless kindness to excuse my presenting my ber that butter color will not do for the cheese hop and regular seamless cheese. Probably the most satisfactory form in which to have the cheese. A very simple press can be tory form in which to buy the cheese made by using a pole about twelve were not my own." Previously Dick dust or ground tobacco may be subcolor for our purpose is in the dry feet long as a lever. One end of the ens declined to take his company to stituted for the leaves. To make form. Both color and rennet can be had from the dairy supply houses in the wall, the cheese hoop being placed to the author that he was doing any kerosene to a half pound of whale oil dry form, and in this form does not so that its center is about three feet thing unusual. readily deteriorate, an important point from the wall. The weight on the to consider where cheese is made for long arm of the lever can be a pail family purposes only, which means partly filled with stones, and the making probably not oftener than pressure is applied to the cheese once a week. The dry color is dis- through a block of wood that fits the solved according to directions, and hoop. Before the curd is placed in the proper amount to use is diluted the hoop, the hoop is lined on the with about a half glass of water and inside with cheese cloth. Cut a piece added to the milk before the addition of cloth and place it in the bottom; of the rennet. The amount of color then take another piece large enough e will depend upon the shade to line the inside and one inch longer hends knowledge and comprehends its desired in the finished product, as at the top and bottom. The lower well as upon the character of feed end of the cloth is turned in over the the animals are getting. The breed cloth at the bottom and the upper end he feels loves and hates, is excited, of cows also make some difference. is turned back over the edge of the Rennet-The most satisfactory form hoop. After the curd is packed fairly of rennet for use in farm cheese tight, it is covered with another piece making is rennet tablets. They are of cloth and the upper end of the not quite so convenient to use as the bandage is turned over it. A slight tween intellect and sensibility. An solved two or three hours before time the pail on the lever close to the purely intellectual easily becomes ad- moist soil. If grown upon very dry arranged, by pulling it up and trim-Preparing the Milk-Take about six ming off so that it will project over gallons of the evening's milk and the cheese ends about an inch. When leave it covered with a cloth at a placed in the mold again the pressure

wooden tub. If a wooden tub is used considerable care will be necessary in a slightly moist air at a temperature keeping it properly cleaned. All the of about 60 degrees. A good cellar milk is then heated to 86 to 88 de- will be quite satisfactory. During the grees. Perhaps the safest and sim-first few days the cheese should be plest way for heating is to hang a turned daily. It is well to rub the deep can filled with water at about cheese once a week for a few weeks 150 degrees down in the milk and with butter or cheese grease and also to disparage and belittle it and cast move it around. If the can is sus with salt if it shows signs of mold, reflections upon its activities and repended from the ceiling it is a very The cheese will be eatable in three to easy matter to swing it back and four weeks, but will improve if kept that is mere sentiment, that doesn't they cannot be gotten out. forth in the milk, and it can be raised for a longer time. The 12 gallons out as soon as the desired tempera of milk will make about ten pounds ture has been reached. The milk of cheese, varying somewhat accord-

sour. Don't overheat at the various Setting - Having previously dis steps in the process, Don't use too solved one rennet tablet in about a much salt. Don't try to get along half glass of cold water, add this solu-tion to the milk previously heated to without an accurate thermometer.



Separate fancy waists hold a very important place in the wardrobe of the well dressed woman. Semi-barbaric tendencies show in

many models.

Bead-work is a popular trimming, in colors and in black and white. The accompanying sketch shows an attractive waist of chiffon cloth, with

## just a little beading on the vest.

Accounted For. "Where are our poets of today?" thundered the orator, looking over the vast audience that had gathered in the district schoolhouse, waiting a breathless moment or two to let his

"Wasl," replied Hiram Plunkett, from the rear of the room, "our best poet here is down to Bear Run cuttin' timber fur a steam sawmill comperny,

## Grapefruit Cocktall,

Cut three medium-sized grapefruit into halves, remove pulp and membrane and separate the pulp into flakes. Mix this lightly with quarter the clinical convention of North Amerhave a pleasant, very slightly acid shells with a little crushed ice.

#### QUEEN VICTORIA TO DICKENS

What a Humble Writer Said to One of the World's Greatest Novelists.

Alfred Dickens' record of Queen CHEESE-MAKING ON THE FARM. odor. As soon as the curd is cooked, draw off the whey. If a tub is used this can be done by letting the whey are as reported) from the outside of the shells. Water glass the conner in this leaves a the conner in this leaves a treatment of the difference in literary rank between her injure the keeping qualities by removing the head of good injure the keeping qualities by removing a natural protective coating on ing a natural protective coating on ing a natural protective coating on the outside of the shells. Water glass the conner in this leaves a treatment of the injure the keeping qualities by removing the natural protective coating on injure the keeping qualities by removing a natural protective coating on the outside of the shells. Water glass the conner in this leaves a treatment of the injure the keeping qualities by removing a natural protective coating on the outside of the shells. Water glass the conner in this leaves a treatment of the injure the keeping qualities by removing a natural protective coating on the outside of the shells. Water glass the conner in this leaves a treatment of the injure the keeping qualities by removing an antival protective coating on the outside of the shells. Water glass the conner in this leaves a treatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keeping qualities by removing the plants you have a streatment of the injure the keep (Prof. F. L. Kent, Oregon Agricultural this can be done by letting the whey what Foster tells in "Life." Ac is a somewhat alkaline liquid, but the spray, as the copper in this leaves a college. College.)

Out through a hole in the bottom, or all the curd can be dipped out with a give simple directions for the making sieve and placed in another vessel.

What Foster tells in "Life." According to the biographer, the queen said, but did not write, that she was processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs, grasshoppers make the Bordeaux as processive gatherings of eggs. give simple directions for the making of cheese in the farm home with the writers to one of the greatest. Dickens or in removing the eggs in solution. the queen sent for him, and she was just in time, for he went to Bucking during the warm seasons of the year, a barrel. Slake the lime in another

used it would be advisable to have ceive her thanks. "I replied," he wrote some small holes bored in the wood to a friend, "that I was in my farce garden and ornamental plants, spray upon she sent again. I . . . again hoped her majesty would have the

#### The Place of Sentiment.

Broadly speaking, while every man must be regarded as a unit, there are generally said to be three distinct subdivisions of his nature. These are the intellect the sensibility and the will. By means of the intellect he apprenature, its bearings and relations. he feels, loves and hates, is excited, jubilant or depressed, enjoys or suifers, aside from physical sensation Sometimes the line is very close besentiment. By the will the other two are controlled and directed. It chooses objects upon which the intellect is to to control the range and manifestation of the sensibility. For some reason there has always been a disposition not only to regard the intellect and the will as much more important than the sensibility, ranking it as the lowest of the three subdivisions, but sults. How often does one hear: count," or "he is nothing but a sentimentalist!" As a matter of fact, it is sentiment that not only makes life worth while, but that moves the

## The Salvation Army in England.

Army in Great Britain, which was recently issued. It was prepared by Rider Haggard, the novelist and social worker, who says that nothing impressed him more than the women enstudy of the female officers of the suffrage, but also to that of their fitness to rule among, or even over men. The figures of the Darkest England scheme work show that from the beginning 70,448 have been received into 663; 9,256 ex-criminals have been received into homes, of whom 9,052 were assisted, restored to friends, sent to situations, etc.; 14,103 lost person were found; 48,096 women and girls were received into rescue homes, of whom 40,514 were sent to situations or restored to friends; and 115,145 sick people were visited and nursed

## In a Twin Divorce Suit.

With their little daughter as the guerdon, the twin divorce suits of Love vs. Love, the one filed in Baker City, Ore., and the other in New York City, now promise to prove bitter contests. Almost immediately after filing a bill for divorce in Baker City, Ore., late on the afternoon of St. Valentine's day, Sidney C. Love left for New York city to fight the suit brought against him by his wife, Mrs. which he surmised was pending.

According to dispatches from Baker City several months since a detective came there and has since "shadowed" Love. Mrs. Love already has retained cess brought in Oregon. Little is the mining town of Baker City, and his personal friends refuse to talk. Mrs. Love is equally reticent, but the positive and bitter estrangement of the once popular clubman and his wife now appears to be absolute.

Deflies Passing of Years.

Dr. D. D. Martin of Tulsa, Okla., is the oldest practicing surgeon in the United States. He is 89 years old. At paired by age

#### EXPERIMENT STATION NOTES.

Washington Experiment Station, Pullman,

very difficult little girl,' he added."

Perhaps the royal command was so found in plentiful numbers in a short applied. To test this, take a saucer which is about 12 gallons, of milk is hoop generally used is made of tinned long deferred because of Dickens' re time. A good plan is to clean out full of the mixture and add a few to be used. Should a greater or a or galvanized iron, and is seven to less quantity of milk be used the 10 inches in diameter and about nine less quantity of milk be used the 10 inches in diameter and about nine eyes in a stage dress. The queen at some kind. The wigglers will not potash made one ounce to the half less quantity of milk be used the maker must govern his work accordingly, using color, salt, and rennet

> To destroy the aphis which attacks is applied. as soon as the insects appear with either kerosene emulsion or tobacco To make the latter spray, use one pound of tobacco leaves to four gal soan to one galton of water. Dissolve the soap in water by boiling, and add the suds boiling hot to the kerosene away from the fire. The mixture is then agitated violently, preferably by pumping it violently back on itself with a force pump. After four or five minutes the mixture suddenly be comes creamy in substance. Use one gallon of the emulsion to twelve gallons of water in spraying.

Cauliflower, like cabbage and other plants of this group, should be transplanted just a little deeper than they grow in the frame or seed bed. Usu ally we plant them from a half inch to an inch and a half deeper. This depends somewhat upon the condition of the soil. Cauliflower requires a miration, running into a degree of soil in a dry atmosphere, the head is pleasure which seems to be pure tough and rather strong. But when grown in the proper conditions, it is a very fine and much prized vege table. Do not attempt to grow them in shady places. Gives them all the sunshine they want, and keep the ground well tilled and moist. posed. Usually this is when the head is from three to four inches in diameter. This is simply for the purpose of making the head tender and keep ing it wet. The only thing that can be done to keep the aphis out of the cauliflower head is to spray thoroughly with kerosene emulsion, tobacco, or pyretheum decoction before the plants

the species exists for several years in enough strength and vitality to over-Salvation Army is calculated to con the worm condition, fall plowing will come the germs causing consumption. vert the observer not only to a bellef destroy only a portion of the insects, in the right of woman to exercise the that is, only those that have entered with a glass of strippings and increase upon the pupa stage. Where fall-plowing is persisted in year after for it created at any time the quantity year, the wire worms are, however should be dropped at once to one-half, gradually worked out of the soil. As a usual thing, wire worms are the more destructive in new or sod land factories; temporary or permanent than in cultivated land. The natural employment has been found for 269, food plant of the larvae consists large- ing. ly of the roots of native grasses. When a small number of domestic mediately after milking, so as not to plants are substituted, the worms allow it to cool below blood heat. In naturally work on the roots of these cold weather it should be milked into for their sustenance. They are known a dish resting in warm water to preto be destructive to almost every kind of plant.

The little black insect often found eating the strawberry plants is known as the flea bettle. There would seem to be no effective remedy for this insect when it appears on the plants during the fruiting season. Bordeaux might be applied were it not for the fact that it would cause the berries to taste bad, making them unmarketable. The common practice of cutting off the strawberries just after I meant my readers to infer that as harvest and burning them is one that is very beneficial in getting rid of this pest.

It should be more of a common practice to spray young fruit trees, even though they seem to have no dis Marjorie Burnes Love, the filling of ease or insect annoyance. The green aphis is very commonly found on I had occasion to observe, what at young trees and one of the most effective remedies for this pest is to rees are in a dormant condition. counsel to represent her in the pro- stroyed. At the same time, this sul- this mound was to keep in cold storhour lime spray will assist in a great age, for consumption in summer, fish known of Love's personal affairs in way toward the eradication of the caught in the wintertime. This is the canker. Red spider is another pest only method of cold storage employfound on young trees as well as old, ed in the rural districts in the norththat can be treated successfully only by this spray. One of the most effec climbing the fruit trees and eating the young buds is to tie a fluffy band of cotton about the trunk of the tree Ants will very rarely go over this fluffy band.

> When grasshoppers are small it is best to kill them by spraying with and the like. This will kill them by answered the dealer. suffocating them. It is also possible to poison young grasshoppers with a durability guaranty."

arsenic. This is best done by using what is known as "criddle mixture." This is simply fresh barnyard manure To pack eggs in water glass, use mixed with slop and Paris green. water glass one part to fifteen parts After the grasshoppers are more than of water. Pack the eggs in a jar and half-grown, it is out of the question pour the liquid over them, covering to try to kill them by spraying. They them completely. Do not wash the are then too lively to reach with a up and asked him what he did there. eggs before packing them as this may suffocating spray, and cannot be eas. The man replied, "I fell off the don-To kill the small wigglers which Dissolve the bluestone by suspending Aseptic Tubes, 25c, \$1.00. Eye Books some times appear in spring water it in a sack in 25 gallons of water in and Eye Advice Free by Mail. no change takes place when the test

## **FASHION HINTS**



Anything nautical has a charm for sweet rixteen, so the successful reign of the "middy" suit is assured. In white seege or linen it is very picturesque, but for practical wear have it made in one of the shades of blue.

#### A CONSUMPTION CURE. By B. J. Kendall, M. D.

Milk strippings when taken from a healthy cow that gives very rich milk and taken in quantities of a quart head. If the aphis get in theer once, twice a day immediately after milking, before it cools any, will cure a larger per cent of cases of consump-Wire worms are one of the most difficult insects to combat. Many tion than any other treatment and experiments have been undertaken to will cure in half the time of any other WasCured by Lydia E. Pinkfind something that will poison these method. Will also prevent it when worms, and all such tests have thus taken in time. The reason why it is far been unsuccessful. Treating the so successful is because it is absorbed seed and planting mustard in the or transfused into the circulation al-There are some interesting figures fields have proven of a little benefit most immediately without taxing the 86 to 88 degrees, and stir well for Don't fail to keep the utensils clean in the annual report of the Salvation It has been found, however, that fail digestive organs, as all other foods plowing of the infested fields will do, and as the strippings or last quart mash a great number of the soft of the milking from a cow that gives pupa, which is the resting stage of this insect. If all the wire worms would go in the pupa condition each fall they would be quickly killed out er than can be accomplished by any gaged in the work. He says that a of the soil by fall plowing, but where other method that they soon gain

> To get best results one should begin two or three weeks they can usually take a quart in the morning and even-

> It is very important to take it imvent it from cooling any.

## Ingenieus Explanation.

Critic-Why do you say in tha story of yours that "Henderson's heart best a tattoo as Mabel entered the room," Scribley? Do you wish your readers to believe that your hero carried a drum where he should have had

Scribbley-Not at all, my dear fellow. I used that expression advisedly. Mabel entered the room Henderson's heart sounded a call to arms .- Harper's Wesk'-

Japanese Method of Cold Storage. On a recent visit to the city of Takata, on the northwest coast of Japan, first thought I imagined was a hayspray with sulphur lime while the stack, but on investigation found to be A an immense mound of snow covered great number of eggs are thus de with straw matting. The purpose of west of Jaapn, where the snowfall is tive remedies to prevent ants from very deep in winter, and these stacks are to be seen in considerable numbers distributed in different parts of the country.-Strand Magazine.

## A Special.

"That steak you sent home was tough," said the housekeeper. "It must have been one of our specials that we gave you by mistake,"

"A special!"

"Yes; one that we send out with

A Greek Joke. A citizen of Cumae, on a donkey, passed by an orchard, and seeing a branch of a fig tree loaded with delicious fruit he laid hold of it, but the donkey went on, leaving him suspended. Just then the gardener came key."-Clouston's "A Book of Noo-

TRY MURINE EYE REMEDY Murine Eye Remedy Co., Chicago.

Dairying in Sweden. Sweden has agricultural societies which assist the dairying business by appointing itinerant teachers, giving grants to schools and support to ex-

## APPETITE POOR?

Then you surely need the beneficial aid of

## Hostetter's Stomach **Bitters**

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Raising Black Fox. On Prince Edward Island about 25, 000 muskrats, 500 minks, 1,000 red foxes and a few weasels are killed each year.' The black fox is bred there by people who keep their methods se cret. A good black fox skin is worth \$1,500.

# WUMAN **ESCAPES** ULDEAD Y LANDI

ham's Vegetable Compound Elwood, Ind.—"Your remedies have cured me and I have only taken six bottles of Lydia E. Pinkham's Vegeta-



months and could not walk. I suf-fered all the time. The doctors said I could not get well without an operahardly stand the pains in my sides, especially my right one, and down my right leg. I began to feel better when I had taken only

one bottle of Compound, but kept on as I was afraid to stop too soon."—Mrs. SADIE MULLEN, 2728 N. B. St., El-Why will women take chances with

an operation or drag out a sickly, half-hearted existence, missing threefourths of the joy of living, when they can find health in Lydia E. Pinkham's Vegetable Compound?

For thirty years it has been the

standard remedy for female ills, and has cured thousands of women who have been troubled with such ailments as displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, indigestion, and nervous prostration.

If you have the slightest doubt that Lydia E. Pinkham's Vegetable Compound will help you, write to Mrs. Pinkham at Lynn, Mass., for advice. Your letter will be absolutely confidential, and the advice free.

## FOR SALE

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