

AGRICULTURAL



Weed Flavors in Milk.

The milk is carefully examined when received, and all that is the least affected with the onion or weed flavor, is set aside by itself, and then run through a separator, and its cream kept separate. To this cream is added twice its own bulk of hot water, in which saltpetre, in the proportion of one ounce to three gallons of water, has been dissolved. This raises the temperature of the mixed cream and water to about 160 degrees, and it is immediately put through the separator again. The result is a fine, thick cream, with no trace of weed flavor in it, and with thoroughly pasteurized, and the Babcock test shows no loss of fat in the operation. In order to ripen such cream for churning, a starter is needed. Pasteurizing has been tried for the purpose of eliminating bad flavors from cream with partial, though not perfect, success. The same may be said in reference to heating the milk and running it through the separator at a temperature of 155 degrees or 160 degrees. Washing cream has also been tried, with the water at the ordinary temperature of separating, and this has very materially reduced bad flavors.—Hoard's Dairyman.

Substitute for a Smokehouse.

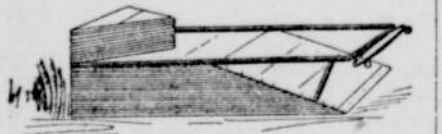
The illustration, which is from the American Agriculturist, shows a simple plan for smoking a small quantity of meat, without any expense whatever for a smokehouse. The lower barrel has a small door through which to replenish the smouldering fire in the iron kettle on the inside. The bottom of the box has holes in it similar to those in the top, the upper barrel being raised to show these. The front of the box is hinged to admit the meat. The upper barrel has neither top nor bottom and serves merely as a chimney to provide some little draft and to carry off the smoke. Two small holes in the lower barrel admit air to feed the smouldering fire.

Winter Squashes.

Squashes, unless ripened, will not keep well. Sometimes they are left out too long. After the frost has killed the vines the squashes are exposed to the cold and to freezing and thawing. Such squashes cannot keep well. Squashes must also be carefully handled. If the shell is bruised in getting them under cover, they are sure to rot early. They should be well ripened, gathered before heavy frosts, well dried, kept in an even temperature, and carefully handled. A warm, damp cellar is a bad place for storage. They should be kept in a dry room, where temperature is fairly even and not piled in a heap, but placed on open shelves. If there are only a few they may be spread on the floor. Sort them over and pick out the soft-shelled and unripe ones to be used first.

A Real Snow Plow.

This is not a wedge to push the snow to one side, but a plow that raises and delivers it above and upon the undisturbed snow at the side. Such a plow must have a strong frame, the bars reaching out in front being not less than 3x3, and they must be 6 ft long.



A REAL SNOW PLOW.

to reach back to the rear. Planks form the runners and top. The light frame above the top is for the driver to sit upon. His feet he rests upon the bars by which the plow is drawn. The front edge, the incline and the top are lined to make the snow move up more easily. The edge is of the same width as the rear end, so there is no binding in the snow.—Farm and Fireside.

Large Potato Yield.

The largest potato yield on record was produced in Northern Wyoming in 1890. According to sworn testimony, it amounted to 974 bushels and forty pounds per acre, of which 828 bushels were marketable. The expense of production was stated to have been \$74.80. Such a crop anywhere in the country this year would have been pretty profitable. The average yield of potatoes in the United States is in ordinary years about one hundred bushels to the acre.

Lima Beans.

The introduction of the bush varieties of Lima beans was an important matter to those who make a specialty of Lima beans. The labor of cutting poles and the extra labor of caring for the pole Limas made the growing of

them a risk should dry weather occur. At the West Virginia experiment station it has been found that beans grown in drills produced twice as much as those grown in hills. As the bush Limas may be planted with a seed drill, in rows, and require no poles, they can be grown more profitably than heretofore. There are also varieties of bush Limas that are as large as the pole kinds, and they bring good prices in market. These facts should be kept in view for next year.

Apples in Paper.

A friend recently sent us a basket of handsome apples, each specimen of which was wrapped in strong manilla paper. After tasting these apples, we unwrapped a number to admire their beautiful color, after which they were forgotten for several weeks. Happening to discover them later, we found that those which had been unwrapped were partially decayed, while those that were wrapped were in prime condition, having scarcely ripened at all, and no decay appearing. Why do not fruitgrowers wrap their apples and pears in paper more frequently, to preserve them, not only for a few weeks in the fall, but through the entire winter? Orange growers have found it profitable to wrap every orange sent out to the markets. It is not expensive to wrap and pack away a barrel of apples. It might cost 50 cents, but think of the delight of opening such a barrel next April, and finding them in splendid condition.—Colman's Rural World.

Marketing Heavy Oats.

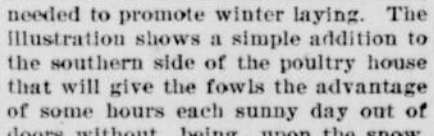
There is sometimes difficulty in finding a profitable market for grades of oats that weigh much above the standard, which is thirty-two pounds per bushel. In fact, most hostellers which deliver oats by measure would prefer to have the grain rather under than above the standard. We once grew some oats which weighed thirty-eight pounds per measured bushel. But they were of a new variety, and worth much more for seed than they could be to feed. In fact, there is not much advantage for feeding to have oats above the standard weight. Part of the advantage of the oats as feed is its safety, its greater amount of starch preventing it from heating in the stomach as corn or other heavier grain is sure to do.

Lime, Plaster and Iron.

A Paris journal says that the disastrous effects exerted by lime and plaster on iron should be kept in mind when building. If iron is plunged into freshly prepared lime rapid oxidation takes place. This soon reaches the heart of the iron, which in a short time undergoes a profound alteration in its resisting qualities. To this result must be added the expansion caused by increase in volume of the mass. On the other hand, cement seems to be an excellent preservative against rust. Such a covering is preferable to painting with red lead.

Unique Scratching Shed.

Where snow lies thickly upon the ground for months it is almost impossible to get the hens out of doors, though fresh air and sunshine are specially needed to promote winter laying. The illustration shows a simple addition to the southern side of the poultry house that will give the fowls the advantage of some hours each sunny day out of doors without being upon the snow. Put leaves, sand and a little grain into the bottom of these outside pens, and the fowls will work busily in them for hours. Such scratching sheds need not be large. They cost but a trifle and so can be afforded by everyone.—Orange Judd Farmer.



SCRATCHING SHED FOR HENS.

Keeping Milk from Odors.

One reason why much poor butter is made in the winter season is because the milk is set in some room adjoining the kitchen, where it is subjected to all the odors of the kitchen stove used in cooking meats and vegetables. These odors, with the heat from the stove, are absorbed by the milk, and as the cream has to be warmed so as to ripen, the germs thus admitted have the best possible chance to increase.

Ticks in Sheep.

Look out at this time of the year for sheep that are nibbling their sides. It is a sure indication of ticks, which should be got rid of at once. A general dipping this month would relieve the flock, both lambs and sheep, of this troublesome pest. Experience has shown that a fall dipping repays twice over for the cost of it, in the better condition of the fleece at the next shearing time.—American Cultivator.

Shying.

There is no better way to break a horse of shying than to stop him and gently lead or drive him up to the object of his fear each time, talking to him pleasantly meanwhile. Whipping and harshness only increase the difficulty. If persistent kindness be employed the horse will soon control himself under trying circumstances if spoken to by his driver in an ordinary tone of voice.

DOINGS OF WOMEN

DAINTY CORNER OUTFIT.

THE foundation for a very dainty washstand and dresser, to be used summer and winter, is a corner, some drapery and a set of tin toilet articles. The corner is always obtainable and the drapery can be purchased, if you choose denim, cretonne or silk-line, for about 8 cents per yard. The tin toilet sets come for 75 cents upward, to a very nice one for \$1.50. The beginning of this corner is a triangle



DESIGN FOR WASHSTAND CORNER.

of wood put on as a shelf a foot above the small mirror which you are going to hang upon the wall. Upon this shelf the drapery is attached and then caught up here and there with ribbons, or, better still, with bright tapes or pieces of the drapery.

The washstand is set underneath the shelf and in front of it is a home-made rug of burlaps which can be spattered with water without becoming rusty or out of shape. This design is specially recommended for rooms where there is no running water. Such rooms need a washstand without requiring one that looks too wooden.

The Queen of the City.

The interest which Americans take in the wives of public men extends beyond our own borders and enters the public life of other lands. We are always ready to gaze on the portraits of royalty. Of almost equal interest is the wife of the Lord Mayor of London, for of all the positions which civilians attain this is the most exalted. London has recently inaugurated a new Lord Mayor, Horatio Davies. His wife is a sweet, home-like body who has none of the ambitions and follies of the "new woman." She has no desire to take a conspicuous place in public, but she will perform her social duties with the grace and dignity of a queen. And in a limited sense she is a queen. Her husband is the head of a city which is in itself a kingdom, and he lives in the same pomp and splendor as royalty. The "queen of the city" is as common a title for his wife as the "first lady" is for the wife of a President or a Governor.

Women in Benefit Societies.

Quite a number of the benefit societies in England admit women to their membership. Prominent among them is the Ancient Order of Foresters. On joining members are required to take an oath not to divulge the secret signs of the Foresters. All the female members have taken this oath and not one has ever been known to violate it. Many of the better class of working women and girls in Whitechapel and Limehouse, London, belong to the Court Princess Alexandra, and take an intelligent interest in the working of the society. The court provides its members with medical attendance and temporary relief in times of distress, insures their lives and provides a weekly allowance in times of illness.

Hints for Thin Women.

It takes time to get fat, just as it takes time to grow thin. The candidate for added flesh should get all the sleep possible—from nine to ten hours. In addition, a nap in the middle of the day will help. While napping no starchy, tight shoes or bands must be worn. If one cannot sleep one should lie down in a darkened room at least thirty minutes instead. In the morning a cold plunge, or, at least, a cold sponge, must be taken, dashing the water on the shoulders, neck and collar-bone, drying with a Turkish towel and avoiding heavy clothing. A thin woman should avoid cumbersome wraps, heavyweight dress goods and linings, according to a writer in the Boston Transcript. She should not have herself bicycling and she should have

plenty of fresh air. Diet deserves a consideration. A diet with an eye to acquiring flesh should consist of liquids—milk, water, but coffee and tea; not hot breads, plenty of butter and cheese and good cocoa. The very thin woman should have five meals a day, should eat marmalade and plenty of warm milk and cream. Indeed, if warm milk is drunk before retiring it is in itself almost a sure cure. Above all, eat slowly and never exercise until half an hour after meals.

Woman's Duties.

No profession, no calling ever quite exempts any woman from the trivial cares and household needs which have always fallen to her share, and the smaller demands refuse to be neglected for the sake of the greater. Be she mistress of any or all the arts and sciences, there are sundry feminine duties to which the matron must attend, if it be only to delegate her authority or to oversee the execution of her orders. One recalls pleasantly Mrs. Somerville's honest pride in her delicious jelly, and the serenity with which she concealed the mathematical papers on which she was busily working while she hospitably welcomed the commonplace people whose unexpected and prosy visit consumed an entire day.—Household.

Sunday Calls.

Sunday calling has an etiquette of its own. It is not at all correct to pay ceremonious visits on that day and first calls should never be made. Intimate friends constantly call on Sunday, when the hours are from 3 to 6. But for a mere acquaintance to call on Sunday would be nothing short of a liberty and would properly be looked on as such, unless he or she had been specially invited to do so.

Dress for a Public Dinner.

At dinner in the public dining-room of a hotel—well-dressed women wear what they would at the theater—pretty high-necked and long-sleeved bodices and bonnets. Of course, a guest at a private dinner in a hotel would wear just what she would wear at the private house of her hostess, as the dinner is certain to be served in a private room, with the use of dressing-room and the service of ladies' maids.

Honors for a Chicago Woman.

To carry off first honors in a photographic contest in which 4,700 competing pictures were entered is not a small triumph, but this is what Mrs. S. S. Beman, of Chicago, has done. When the Youth's Companion announced, early in the year, a series of prizes for the best exhibits of amateur photographs,



MRS. S. S. BEMAN.

Mrs. Beman entered the lists with many misgivings, and the most disappointed competitor is not more astonished than she at the result. The award was made upon the excellence of the entire individual collection submitted and not upon any single picture which it contained. About thirteen photographs were entered by Mrs. Beman and nearly all of them were in groups and figures taken within doors.



ABOUT THE BABY.

"All who have had the care of children during illness know only too well the difficulty of inducing them to submit quietly and reasonably to treatment," says Jean Fletcher, in Babyhood. "The difficulty hampers physicians and nurses, and is no doubt often an important factor in the termination of the disease. Nothing is more important in the treatment of children's diseases than promptness. If we linger with our remedies the disease often gains fearful headway, as, for example, in that most dreaded of all scourges of child-life, diphtheria. Much valuable time is often lost because of the difficulty experienced in persuading the little patient to take necessary remedies. A vast amount of strength, too, is often dissipated, strength which the little sufferer so greatly needs to enable it to fight a winning battle with disease, because the child resists and argues and in many cases, utterly refuses to submit to treatment upon which may depend not only the length but even the final issue of the conflict."

A relic hunter stole the chair on which President McKinley sat while reviewing the Grand Army parade in Buffalo recently.

NEVER CONTENT.

Some people are never content with anything. They will not find exactly what they want even in Heaven, if they know some one is there ahead of them. For instance, some are great sufferers from neuralgia. Friends have told them what is best and certain to cure them. Not content with what is said, they suffer on. Pain ravages and devastates the system, and leaves it a barren waste. St. Jacobs Oil has cured thousands. Just try it.

John E. Redmond, M. P., the well-known Irish leader, will sail for this country on December 30. He is coming to America at the invitation of prominent workers in the Irish cause to speak on the rebellion of 1795, to arouse the enthusiasm of Irish-Americans in the pilgrimage to Ireland next July to celebrate the rising.

WHALING FLEET IN DANGER.

It is predicted that the vessels of the whaling fleet, most of whose underwriters are in San Francisco, have been caught in the ice and some may not last through the siege. Danger also threatens those who neglect what are called "trifling" ailments, for they may not last through the crisis. Resort to Hoosey's Stomach Bitters at once for indigestion, rheumatism, malaria, constipation, nervousness and kidney complaint.

In Japanese saws, the teeth point toward the handle, and both saws and planes cut toward the workman.

AN OPEN LETTER TO MOTHERS.

We are asserting in the courts our right to the exclusive use of the word "CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA," the same that has borne and does now bear the fac-simile signature of CHAS. H. FLETCHER on every wrapper. This is the original "PITCHER'S CASTORIA" which has been used in the homes of the mothers of America for over thirty years. Look carefully at the wrapper and see that it is the kind you have always bought, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President. March 5, 1897. SAMUEL PITCHER, M.D.

Three drops of a black cat's blood is a sovereign cure for croup in the folk lore of some people.

After being swindled by all others, send us stamp for particulars of King Solomon's Treasure, the exclusive use of the word "CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA," the same that has borne and does now bear the fac-simile signature of CHAS. H. FLETCHER on every wrapper. This is the original "PITCHER'S CASTORIA" which has been used in the homes of the mothers of America for over thirty years. Look carefully at the wrapper and see that it is the kind you have always bought, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President. March 5, 1897. SAMUEL PITCHER, M.D.

Piso's Cure for Consumption is the best of all cough cures.—George W. Lotz, Fabucher, La., August 26, 1895.

Try Schilling's Best tea and baking powder.

The oldest married couple in the United States are Mr. and Mrs. Joseph Manuel of Cape Porpoise, Mass. She is 98 and he is 101 years of age, and they have been married 77 years.

Money back if you don't like Schilling's Best Tea and money at your grocer's.

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YOUR LIVER Is it Wrong? Get it Right. Moore's Revealed Remedy will do it. Three doses will make you feel better. Get it from your druggist or any wholesale drug house, or from Stewart & Holmes Drug Co., Seattle.

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RODS for tracing and locating Gold or Silver ore, lead or buried treasure. No. 12. FOWLER, Box 375, Huntington, Conn. PISO'S CURE FOR CONSUMPTION

BRAVE SPIRITS BROKEN.

How often women wake up in the morning cheerful and happy, determined to do so much before the day ends, and yet—

Before the morning is very old, the dreadful BACKACHE appears, the brave spirit sinks back in a fright; no matter how hard she struggles, the "clutch" is upon her, she falls upon the couch, crying:—"Why should I suffer so? What can I do?" Lydia E. Pinkham's "Vegetable Compound" will stop the torture and restore courage. All such pains come from a deformed uterus. Trouble in the womb blots out the light of the sun at midday to a vast number of women. You should procure Mrs. Pinkham's Compound at once and obtain relief. Mrs. E. M. Knapp, 503 Wentworth Ave., Milwaukee, Wis., says: "I suffered with congestion of the ovaries and inflammation of the womb. Lydia E. Pinkham's Vegetable Compound cured me as it will others."



Travelers in Sweden report that the street cars in that country seldom stop for passengers. Both men and women jump on and off while they are moving, and accidents are scarcely ever heard of.

DEAFNESS CANNOT BE CURED

By local applications as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed, you have a rumbling sound or imperfect hearing, and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are cured by Catarrh, which is nothing but an inflamed condition of the mucous surfaces. We will give One Hundred Dollars for any case of deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars, free. F. J. CHENEY & CO., Toledo, O. Sold by druggists, 76c. Hall's Family Pills are the best.

Authorities of the Kansas university dismissed all the natural history classes on circus day recently to enable the students to study the animals.

HOME PRODUCTS AND PURE FOOD.

All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from glucose. "Ten Cent Syrup" is made from Sugar (and is strictly pure). It is for sale by first-class grocers, in cans only. Manufactured by the PACIFIC COAST SYRUP CO. All genuine "Ten Cent Syrup" have the manufacturer's name lithographed on every can. C. E. Green of Effingham, Kans., has the Continental currency his great-grandfather received for his services in the Revolution.

BROKEN DOWN MEN

Men Who Have Wasted the Vital Power of Youth—Who Lack Vigor—Can Be Cured by Electricity.



It is made especially to restore vital strength to men. Sparks of life come from it to the weakened parts. SANDEN ELECTRIC BELT CO. 233 West Washington St., Portland, Or. Please mention this paper.

In buying seeds "economy is extravagance." Because the cost of cultivation wasted on inferior seeds always largely exceeds the original cost of the best and dearest seeds to be had. The best is always the cheapest. Pay a trifle more for FERRY'S SEEDS and always get your money's worth. Five cents per paper everywhere. Always the best. Seed Annual free. D. M. FERRY & CO., Detroit, Mich.

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