

FARM AND GARDEN

CABBAGES.—A writer in the Fruit Recorder makes the statement that one of his neighbours planted some cabbage among his corn where the corn missed, and the butterflies did not find them. He has therefore come to the conclusion that if the cabbage patch were in the middle of the corn patch the butterflies would not find them, as they fly low and like plain sailing.

FEEDING CATTLE. A good guide for feeding grain to cattle is one pound to each hundred of their weight. Most animals eat in proportion to their weight, and an animal weighing 1,000 pounds may receive ten pounds of grain per day.—Western Agriculturist.

POTATO PLANTING.—Every one planting potatoes should bear in mind that it is folly to plant varieties known to be liable to the disease, when others exist that are accredited with great powers to resist it. Neither should continuous potato growing be practised on the same piece of land already infected with the germs of disease. Again, early planting is by common consent preferable to late, as early potatoes frequently escape disease by being already fully ripe before the disease sets in. Care should be taken, too, not to plant cuttings from diseased potatoes, but the soundest and best. By following a few simple rules like these the evil may be mitigated, if not eradicated, whilst we still live in hopes that, like many other mysterious diseases that have suddenly appeared and have suddenly passed away, the potato rot may become a disease of the past.—American Agriculturist.

CHARCOAL.—Charcoal has considerable manurial value, especially if applied on rich ground, the ammonia of which it absorbs and gives out as the plant roots require. It also improves the mechanical texture of the soil whether light or heavy, and its dark colour holds the heat from the sun, making the land warm and early. The remains of old charcoal pits always make the best land in the field for many years thereafter.—N. Y. Herald.

Hens will lay as many eggs without the attentions of the male as with them. When eggs are not desired for breeding, the expense of keeping roosters may be dispensed with. The eggs, not been fertilized, will keep better than those that are.

CELERY seed may be sown as soon as the ground is warm. A carefully-prepared seed bed in an airy spot, but not too much exposed to the sun, should be made, and the seeds sown in it eight or nine inches apart and half an inch deep. When two or three inches high the plants should be thinned out, or pricked into a nursery bed, in which they should be placed about six inches apart and allowed to remain for five or six weeks. After planting in the nursery bed they should be watered and shaded for a few days, and afterwards kept clean and if need be again watered. About the middle of July transplant into a permanent bed. Do not trust the soil if it is not rich and deep. If it is deep, dig a trench and in the bottom of it spade in good, well-rotted stable or cow manure, or better, old turf soil and old cow manure mixed. Set the plants nine inches apart in rows fourteen inches apart. Take from the nursery bed a good ball of earth around the roots and shade and water the plants on setting them out. As the celery is growing earth it up, but not while the plants are wet with rain or dew, as that might induce rust. Earthing up every fortnight is better than waiting to do it until the plants are nearly grown up. "Boston market," is the best dwarf variety; "White Solid" the standard for a general crop. The "Turnip Rooted" and the "Soup," are very good for flavouring.—Toronto Globe.

A first rate plan with the potato bug, says Mr. W. D. Philbrick, is to scatter a few pieces of potato on top of the ground over the field after planting. The bugs will be found on these, and may be easily gathered before the crop comes up,

making the hand-picking a short and easy job; and the crop of soft grubs comparatively few.

There are two garden vegetables which, of all others, are hardest to procure in prime condition from the market—green peas and sweet-corn. Both begin to lose their peculiarly delicious flavor soon after picking. The peas are insipid after a few hours' exposure, and the sweet-corn is sweet no longer. Those who want them in perfection must grow them.

A sure way to kill burdocks is to cut the top to the ground, and then with a sharp knife scoop out a hole and put in teaspoonful of kerosene. There will be no further trouble from that plant.

HEALTH HINTS.

In case of poisoning, excite vomiting by tickling the throat, and by warm water and mustard.

BICARBONATE OF SODA FOR BURNS.—In the application of bicarbonate of soda to burns there are three methods; (1) Powdered bicarbonate of soda is strewn over the burned parts. (2) Linen rags, sprinkled with a solution of bicarbonate of soda (1 in 50) are laid on; as soon as these rags become dry they are replaced by others, or are moistened again in the solution. (3) Linen rags are applied in the same manner, but are kept constantly upon the burns, and moistened by pouring the solution over them. The first method suffices only for burns of the first degree. Change of the moistened rags is chiefly adapted for burns of the third degree, attended with much suppuration. In exchanging the dry rags the pus which has accumulated underneath them must be carefully washed off, that it may not be received into the blood; and then a fresh rag soaked with the solution must be placed upon the clean granulating surface. The third method is applied solely in burns of the second degree. Changing the compresses would in this case only irritate the exposed surface, and by causing a more copious suppuration, delay the healing process.

HOUSEHOLD.

CORN MUFFINS.—Miss Parloa says the first step in the making of corn muffins is to mix together in a sieve, and finally rub through it, a teaspoonful of corn meal, twice as much flour, third of a cupful of sugar, a teaspoonful of salt, and three teaspoonfuls of baking-powder.

Having put two tablespoonfuls of butter into a cup, Miss Parloa set the cup into a basin of hot water, and while the butter was melting she beat three eggs very light and added to them a large cupful of milk.

This mixture she poured upon the dry ingredients, beating well all the while. The melted butter was added, and the mixture was poured into buttered muffin pans and baked twenty minutes.

BROILED HALIBUT.—Miss Parloa in her lectures on cooking took several fine slices of halibut, about an inch thick, having been seasoned with salt and pepper, and allowed to lie in melted butter—covering both sides—for half an hour, were rolled in flour and broiled for twelve minutes over a clear fire.

The halibut was served on a hot dish with a handsome garnish of parsley and slices of lemon.

FRENCH TAPIOCA CUSTARD.—5 dessert-spoonfuls tapioca, 1 quart of milk, 1 pint of cold water, 3 eggs, 1 teaspoonful vanilla, or other essence, 1 heaping cup of sugar, a pinch of salt.

Soak the tapioca in the water five hours. Let the milk come to a boil; add the tapioca, the water in which it was boiled, and a good pinch of salt. Stir until boiling hot, and add gradually to the beaten yolks and sugar. Boil again (always in a vessel set within another of hot water), stirring constantly. Let it cook until thick, but not too long, as the custard will break. Five minutes after it reaches the boil will suffice. Pour into a bowl, and stir gently into the mixture the whites of the eggs, beaten to a

stiff froth. Flavor, and set aside in a glass dish, until very cold. Eat with an accompaniment of light cake and canned peaches or pears. This will be found a very delightful dessert.

SCIENCE.

More than twelve months ago a "perpetual" clock was started at Brussels. An updraught is obtained in a tube or shaft by exposing it to the sun; this draught turns a fan, which winds up the weight of the clock until it reaches the top, when it actuates a break that stops the fan, but leaves it free to start again when the weight has gone down a little. This clock was keeping good time up to a recent date, having run continuously since it was started.

It is said that a chemist's dream led to the discovery of Whitehead's dynamite factory, Birmingham. Whitehead bought large quantities of glycerine from the chemist in question, whose dream, told to the police, started inquiries, and discovered the diabolical plot intended to ruin an untold number of lives.

ELECTRICITY AS A MOTOR.—A remarkable address was delivered in New York City on Monday, April 23, by Prof. Henry Morton of the Stevens Institute of Technology. He showed, by experiments, that by a simple contrivance and at slight expense, electricity could be used as a motive power to propel street cars, and to run the most complicated kind of machinery. A car full of passengers could be taken from one end of New York City to the other by the energy stored in a box only one cubic foot in size. He claimed that the contrivance might exceed in value the invention of the telephone, as the secret of applying electricity as a motive power has hitherto been sought in vain.

Some of the practical results of M. Pasteur's protective system of inoculation of animals have been furnished the public. Last year 80,000 sheep were vaccinated in the department Eure-et-Loire, and only 518 have died of the disease known as "charbon" or 0.5 per cent., whereas the mean annual loss from the disease for the ten preceding years was 9.01 per cent. Of bovine animals 4,500 were vaccinated, and the mortality has fallen from 7.03 to 0.24 per cent. A special experiment made with sheep gave the following result:—2,308 were vaccinated and 1,659 were not; all were cared for in the same manner and mixed freely with each other. Of the vaccinated sheep only 83 died, while of the unvaccinated ones 83 died.

VARIETIES.

THE VALUE OF LAUGHTER.—Laughter 'tis the poor man's plaster. Covering up each and disaster. Laughing, he forgets his troubles. Which, though real, seem but bubbles. Laughter! whether loud or mute; Tells the human from the brute; Laughter 'tis hope's living voice Blinding us to make a choice, And to cull from thorny bowers, Leaving thorns and taking flowers.

An editor, in acknowledging the gift of a peck of onions from a subscriber, says: "It is such kindnesses as these that bring tears to our eyes."

Among the Chinese, regular opium smokers swallow the smoke.

Little gold pigs are worn as ornaments—probably because they are stylish.

THE TRAIN. HARK! It comes! It hums! With ear to ground I catch the sound. The warning, courier-roar That runs along before. The pulsing, straggling now is clearer! The hill-sides echo "Nearer, nearer," Till, like a drove of rushing, frightened cattle, With dust and wind and clang and shriek and rattle, Passes the Cyclops of the train! I see a fair face at a pane,— Like a piano-string The rails, unburdened, sing; The white smoke flies Up to the skies; The sound Is drowned— Hark!

—Chas. H. Crandall, in The Century for June.

Secrets of the Confessional:—"Is it a sin," asks a fashionable lady of her spiritual director, "for me to feel pleasure when a gentleman says I am handsome?" "It is, my daughter," he replies, gravely; "we should never delight in falsehood!"—French paper.

"Sambo, did you ever see the Catskill Mountains?" "No, sah, but I've seen 'em kill mice."

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cures Rheumatism, Neuralgia, Rheumatic Gout, General Debility, Catarrh, and all disorders caused by a thin and impoverished, or corrupted, condition of the blood; expelling the blood-poisons from the system, enriching and renewing the blood, and restoring its vitalizing power. During a long period of unparalleled usefulness, AYER'S SARSAPARILLA has proven its perfect adaptation to the cure of all diseases originating in poor blood and weakened vitality. It is a highly concentrated extract of Sarsaparilla and other blood-purifying roots, combined with Iodide of Potassium and Iron, and is the safest, most reliable, and most economical blood-purifier and blood-food that can be used.

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"Eight years ago I had an attack of Rheumatism so severe that I could not move from the bed, or dress without help. I tried several remedies without much if any relief, until I took AYER'S SARSAPARILLA, by the use of two bottles of which I was completely cured. I have not been troubled with the Rheumatism since. Have sold large quantities of your SARSAPARILLA, and it still retains its wonderful popularity. The many notable cures it has effected in this vicinity convince me that it is the best blood medicine ever offered to the public. E. F. HARRIS." River St., Buckland, Mass., May 13, 1882.

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