## FARM AND GARDEN.

The Nova Scotia *Journal* of Agriculture says:—

"If any of our readers know of the existence of wild grape vines anywhere in Nova Scotia or Newfoundland, we shall feel much obliged for the imformation.

FEEDING VALUE OF CABBAGES.—A trial was made last season in Scotland to test the feeding value of an acre of cabbage compared with an acre of Swedish turnips for fattening sheep, and it was found that the cabbages were worth very nearly $20 the most.

When a tree in an old orchard dies, dig it out and fill the hole with rich dirt from the roadside and a quantity of manure. Then do not plant a new tree in the same place, it will be of no use, as the roots of surrounding trees will find the new feeding place and effectually starve out the new comer. The trees on either side will bear far more in an increased crop than the new tree ever would, if it lived to be fifty years old.

New varieties of the potato may be produced by grafting. This has been done in some cases with good results by cutting the eyes out of one kind say the "Early Rose" and putting them in another say "Pogies" and then putting the eyes taken out of the latter into the former and so with any other varieties. Experiments of this kind may develop valuable improvements in this root.

HORSE ITEMS.—If you would have sound horses keep their litter dry and clean. If they are allowed to stand on manure that is heating and fermenting it will result in soft hoofs and lameness.

Influenza is one of the most prevalent diseases at this time of the year. The first stage of the disease is generally mild, and will readily yield to careful nutritious diet, such as warm mashes, oatmeal gruel, suitable clothing and proper ventilation. If the respiration is troubled and the extremities cold, give a sedative medicine, rub the legs with dry mustard, bandage with flannel and send for an expert.

When a horse gets past his twelfth or thirteenth year he is not usually profitable to keep. He may do a good deal of work after that date, but will require more care and better feed to keep him in the best condition for work. Each year will also detract something from his value, and this must be deducted from the apparent profit on his labor.

If you want to have no trouble with heaves in your horses be sure that they are fed no dusty and dirty hay, which is the prolific source of this annoyance. Ordinary clean hay can always be fed with safety if properly cut up, moistened, and mixed with ground grain; but to feed the musty or dirty sorts is very injurious. Clover owing to its liability to crumble, often gets dirty, even after storage, and should never be fed without being previously moistened.

TEN RULES FOR SHEEP KEEPING.

1. Keeping sheep dry under foot with litter if necessary. Never let them stand or lie in mud or water.
2. If a ewe looses her lamb, milk her daily for a few days, mixing a little alum with her salt.
3. Give the lamb a little milk food in time of weaning.
4. Never frighten sheep.
5. Some rye for weak ones in cold weather, if you can.
6. Separate all weak, thin or sick from the strong in the fall, and give them especial care.
7. If a sheep is hurt, catch it at once and wash the wound, apply spirits of turpentine daily, and wash with something healing.
8. Keep a number of good bells on the sheep.
9. If one is lame, examine the foot, clean out between the hoofs, if unsound, and apply tobacco with blue vitrol boiled in a little water.
10. Shear at once any sheep commencing to shed its wool, unless the weather is too severe, and shave carefully all dirt off any that lie.

## SCIENCE.

The average of human life is increasing.

Frozen house-plants will revive if sprinkled with camphor water.

THE TOUGHEST BRAIN ON RECORD.—Charles Rheimes, a youth of 17, of No. 98 Sumter-street, Brooklyn, can lay claim to the possession of the toughest brain recorded in the annals of surgery. A month ago he fired a bullet from a 22 calibre Smith & Wesson several inches into the centre of his reasoning faculties where it still remains. He had fully recovered to all appearances, and has gone back to his work in this city. One Sunday morning, Oct. 28, he discharged his revolver accidentally, the bullet entering his head above his left ear. His brother found him clinging to the door handle and bleeding profusely. Dr. Solon F. Bliss and J. Nehebas were summoned, and found that the bullet had taken a downward course as near as possible through the very centre of the cerebrum. The wound was probed to the depth of three inches, without finding the bullet. The next day the probe found the ball at a depth of six inches. The physicians did not dare to disturb the bullet, lest it should hasten death, which they regarded in any event as inevitable. There was little inflammation and in three weeks the ball became encysted and the wound healed up. The patient has now apparently quite recovered, with unimpaired mental faculties. The physicians consider him out of danger. The case of young Rheimer, though phenomenal, is not altogether without precedent.—*N. Y. Times.*

A French naturalist says: "The Almighty created birds to protect the grain, vegetables, trees and fruits against the ravages of the insect tribe. For every bird that dies, millions of insects are spared from death, and millions of insects means famine."

CURIOUS FACTS.—It is curious that a single grain of musk will perfume a room for years and still remain the same in size and strength.

It is curious that the delicate thread of a spider's web is composed of six thousand single threads.

It is curious that a single grain of gold may be beat into an extent of several square feet, and yet the leaf remain so compact as not to transmit the rays of light.

It is curious that one grain of carmine will tinge ten pounds of water.

It is curious that a large quantity of cotton may be put into a glass *full* of spirits of wine, and not overflow.

It is curious that a pint of alcohol and a pint of water will not make a quart of mixture.

It is curious that pure and mild glycerine becomes such a deadly explosive by the addition of nitric and sulphuric acid.

It is curious that living animals having limbs and blood circulation can exist so small that a shell the one hundred and forty-fourth part of a cubic inch in size can contain twenty-three millions.—*Ex.*

## HEALTH HINTS.

LAWS OF DIGESTION.—Food for the supply of the daily wants of the system is most rapidly and thoroughly digested when taken early in the day, ere the nervous and secretive forces are exhausted by toil.

Rapid digestion in the early part of the day contributes to the immediate demands of motion and enervation.

Food for continuous wear and tear of the tissues is in less immediate request; the completeness of its solution is of more importance than the rapidity, and it is best taken toward the evening, when an opportunity is afforded for its leisurely absorption during sleep.

The duration of digestion bears a proportion to the quantity of food eaten.

In youth the digestion is quicker and the stomach sooner emptied than in grown-up persons.

Rest before meals makes digestion more complete. Exertion immediately before meals retards digestion and exertion immediately afterward deranges it.

Sleep retards digestion, and also renders it incomplete.

Earnest preoccupation of mind retards digestion, and may even quite annul it.

TWO REMEDIES FOR FROST BITES.—1. Rub the parts affected with kerosene every night. Use plenty of it and sit in front of a moderate fire, but not near to it, while applying it. Three or four applications should complete the cure.

2. Rub the afflicted parts with pure oil of peppermint. It will also prevent the after effect of chilblains. Care should be taken to use only the pure oil.

## HOUSEHOLD.

BAKED BEETS.—These excellent vegetables are quite as good baked as boiled, and the sugar is better developed by the baking process. The oven should not be too hot, and the beets must be frequently turned. Do not peel them until they are cooked; then serve with butter, pepper and salt.

TO MAKE CELERY CRISP.—Celery that is not so crisp as it should be, may be eaten prepared like this: After washing the celery and removing the green leaves, cut in pieces about as you do asparagus, then put it into boiling water that is salted; when it is tender, drain it, lay it on slices of buttered toast, which you have just dipped in the water in which you cooked the celery; add butter, pepper, and salt to your taste; serve hot.

It is a good deal better to lay in a store of ice in winter than vainly to wish you had when hot weather comes. A very simple, rough ice-house will answer the purpose—the two important considerations being good drainage and exclusion of air. Pack the ice in a solid mass, on a bed of sawdust, tanbark, cut straw, or chaff, and blanket it with the same material on the sides and top.

In making apple pies, if you cannot afford to put some lumps of butter in before putting on the upper crust, then use a good big pinch of salt sprinkled over before you put in the sugar. It is not generally known that first-class pastry cooks are familiar with this excellent device.

In repairing broken windows old dry putty can be removed by running a red-hot iron slowly over it. And putty can be re-made out of an old dry lump years and years old, by shaving it off finely, adding to it a little oil or grease, and slowly kneading it with a hammer. It can be made as good as new.

## VARIETIES.

How many sighs and tears might be averted if kindness of hand, kindness of heart, and kindness of speech were general.

THINK BEFORE YOU SAY NO.—The little one runs to you, eagerly, joyously with a request on her lips. She is full of hope, and her plan is not an unreasonable one. Think before you say no. What is a trifle to you may be very important to your child, and it is not right to cloud a child's day unless one is obliged to do so.

If she is a queer woman who does not ask questions, the woman who does is the querist.

POLL'S ANSWER.—Once upon a time as the story runs, a man owned a parrot, which, try as he would, he could never teach to say any thing except, 'There is no doubt about it.'

The gentleman took the parrot to the fair one day, to see if he could sell it.

'Who'll buy my parrot? Only ten dollars!'

A gentleman passing, stopped and looked at the bird, and then asked:

'Poll, are you worth that much?'

'There is no doubt about it!' answered Poll.

He was very much pleased with the bird's intelligence and bought it; but one day, after he found out his mistake, he was standing near the cage, and he said to himself, out loud:

'What a fool I was to give ten dollars for that bird!'

'There is no doubt about it!' sang out Poll.

And this time he admitted she was right.—*Journal and Mess.*

Good will, like a good name, is got by many actions, and lost by one.—*Lord Jeffrey.*

There is no use in sweeping a chamber if all the dust comes out of the broom.—*Whately*


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Vol. viii. commences 1884. January number ready about 25th December.

Dec. 5.

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Unlocks all the clogged avenues of the Bowels, Kidneys and Liver, carrying off gradually without weakening the system, all the impurities and foul humors of the secretions; at the same time Correcting Acidity of the Stomach, curing Biliousness, Dyspepsia, Headaches, Dizziness, Heartburn, Constipation, Dryness of the Skin, Dropsy, Dimness of Vision, Jaundice, Salt Rheum, Erysipelas, Scrofula, Fluttering of the Heart, Nervousness and General Debility; all these and many other similar Complaints yield to the happy influence of BURDOCK BLOOD BITTERS.

Sample Bottles 10c; Regular size $1.

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**AYER'S Sarsaparilla**

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.

Inflammatory Rheumatism Cured.

"AYER'S SARSAPARILLA has cured me of the Inflammatory Rheumatism, with which I have suffered for many years.
W. H. MOORE."
Durham, Ia., March 2, 1882.

"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.

"Last March I was so weak from general debility that I could not walk without help. Following the advice of a friend, I commenced taking AYER'S SARSAPARILLA, and before I had used three bottles I felt as well as I ever did in my life. I have been at work now for two months, and think, your SARSAPARILLA the greatest blood medicine in the world.
JAMES MAYNARD."
520 West 42d St., New York, July 19, 1882.

AYER'S SARSAPARILLA cures Scrofula and all Scrofulous Complaints, Erysipelas, Eczema, Ringworm, Blotches, Sores, Boils, Tumors, and Eruptions of the Skin. It clears the blood of all impurities, aids digestion, stimulates the action of the bowels, and thus restores vitality and strengthens the whole system.

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April 17

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**People's Home Mission Agency.**

The Society has been in operation 15 years. Colporteurs to the number of 102 have been employed, who have distributed Bibles and good books worth $141,236 by sale, and books and tracts valued at $10,081 by grant. Total grants by the Society, including those from Depot more than $16,000 worth. Time served by the Colporteurs equals that of one man for 142 years. Labrador, Newfoundland, Cape Breton, P. E. Island, Nova Scotia, New Brunswick, and a portion of Quebec have been explored. There have been found 1,525 families without God's Word; 2 582 families with no other religious book; and 2.545 families who habitually neglect attending any place of worship The 26 Colporteurs employed in 1882 performed labor equal to that of one man for 12¼ years; found 205 Protestant families without Bibles, 279 with no other religious books, and 3"8 families who never enter the House of God. They sold books worth $13,332, and made free grants to the value of $913, as they made 31,679 family visits, and held 625 religious meetings

The books circulated are sound and good, teaching the RUIN of man by the fall, REGENERATION by the Holy Spirit, and REDEMPTION through our Lord and Saviour Jesus Christ. They are eminently designed to spread abroad Divine truth, and they are accepted by those that in every place call upon the name of the Lord. They give no uncertain sound upon the essential doctrines of the Cross: Justification through the blood of the Redeemer, holiness through the sanctification of the Spirit, and complete redemption through God's grace alone. Books and tracts designed especially to awaken the impenitent and point to Jesus are imported in great numbers. Almost 10,000 "Come to Jesus" were distributed last year.

The prayers of all God's people are earnestly requested for the Spirit's power to accompany the reading of the books and the evangelistic efforts of the Colporteurs. A copy of the last Annual Report, giving much interesting information and copious extracts from the Colporteurs' reports, will be sent on application to the Secretary.

**American Baptist Publication Society.**

As advertised last year, we continue to order the publications of the above Society upon which we allow a discount of FIFTEEN per cent, excepting periodicals, from the catalogue prices. As compared with the issues of the British houses these books are expensive. Catalogues will be supplied upon application, and those ordering can decide for themselves.

**The Psalmist,** published in the United States for 85 cents, we continue to sell for 75 cents. From our Depot and through Colporteurs about 5,900 Psalmists have been already sold.

Donations to Dec. 31st, 1882, in aid of Colportage, $40,127; amount paid by Society to Dec. 31st, 1882, for Colportage, $63,250.

Patronize the Depository and thus aid Colportage, to which all accruing profits are applicable Jan. 31. 1 y.

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