

FARM AND GARDEN.

In mowing lawns, allow a gradual higher growth as autumn approaches, so as to have a thick mass for enduring winter.

Take special pains at this season of the year to prevent any weeds from going to seed. If they have got above ground, pull and throw them into the brush heap for burning.

Keep all garden and other tools under shelter every day that they are not used, and have them made clean every time, and rubbed bright and oiled.

It is found that if rye is grazed so closely as not to allow the seed to form its root will live several years and form a turf. The root penetrates deeply, and the leaves while young are greedily eaten up by all kinds of stock.

SLOW MILKING.—Slow milking of cows never secures the full product. The cow becomes tired of relaxing the udder muscles, and after a time resumes the more natural position of contracting them. This makes much stripping necessary, and a slow milker will never have patience to strip a long time. Partial milking soon dries the cow, and greatly reduces her value.

We never had a pear tree blight in grass, though they were of all ages, from three up to 175 years, and of about ten varieties; while scarcely a year passes in which we do not lose one or more by blight grown in cultivated ground.—*Germanium Telegraph.*

The pretty little Jersey cow may be a house hold pet, but of the bulls, the *British Agricultural Gazette* says:—"They, if bull-fighting ever becomes popular in England will have to supply the arena."

LAYING TURF IN SUMMER.—Mr. Henderson says:—"I find that turf can be successfully laid down, if necessary, in dry and hot summer weather, by simply covering it when finished, before it gets too dry, with about a quarter of an inch of light soil put through a half-inch sieve. The grass begins to grow through the soil in a very few days."

QUICKLIME FOR MUCK BEDS.—The undecayed muck and vegetable matter in swamps and bogs will often remain in an unutilized condition for two or three years. The vegetable matter does not rot. This is due to the presence of vegetable acids which delay decomposition. If the material be made alkaline it will decay speedily. The best substance for this purpose is quicklime. Forty or fifty bushels to the acre or even more, will reduce some bogs to arable soil in a short time. If straw is to be used as manure it is best adapted to the purpose by spreading the ground where the stack is to be built thickly with quicklime. The stack will soon rot down. It might also be advisable to spread a very little lime over the straw at intervals as the stack is built up.

WEATHER AND MILK.—The weather has more to do with the yield of milk, especially in one of the solids—butter fat—than any of the standard writers have posted us in regard to. We have found milk almost always out of its normal condition after a cold rain, to which the cows are exposed and that too when the milk-can was not open to the rain. Again an extremely hot day will take out the solids. Anything that detracts from the comfort of the cow takes weight out of her milk and richness, that is butter-fat, out of what weight she does give. A starving cow gives skim-milk, till she is made to gain in condition.—*Cedarburg News.*

Trees that are not on cultivated land should receive especial care until they have been set about two years. Trees that do well the first year often die the second, because, supposing them to be out of danger, they receive no especial care. As a tree full of leaves exhales a large quantity of water every day, the roots, to keep the tree full, exhaust the moisture from the soil so rapidly that when capillary action is checked

by a hard baked crust on top, there is not enough moisture drawn from below to supply water in sufficient quantities to keep life in a tree. To keep the soil in a good condition it should either be well cultivated or well shaded, the latter may be best done by mulching, if done before dry weather commences. The mulch should if possible be applied early in the spring.

SCIENCE.

The first practice with the two 81-ton guns in the turret at the end of the Admiralty Pier, Dover, took place a few days ago the experiments proving very successful.

There is scarcely a spot throughout the whole world that is not in intimate telegraphic connection with England. To carry out this tremendous undertaking, and bring about this amazing result, no less than thirty million pounds have been expended, and there is no less than eight thousand miles of cable at the bottom of the ocean.

Mr. Roebling, the designer of the great Brooklyn bridge, died in the early stages of the work, and his son taking his father's place, admirably conducted the enterprise. Mr. Roebling the younger was prostrated with paralysis, and then comes the romance of which we are speaking. Mrs. Roebling applied herself to her husband's profession and succeeded so completely that Brooklyn bridge will ever be a monument not only of woman's devotion but of woman's mastery over one of the most difficult and intricate sciences. Very fittingly Mrs. Roebling was awarded the place of honor and first drove over the bridge.

Tetradelite is a gray copper ore, frequently very rich in silver, intermixed with arsenic, bismuth and antimony.

Bernite is a copper sulphide, with traces of silver in some instances, and mixed with iron; also, giving 60 per cent of copper.

\$50,000 worth of copper ore has been shipped this year from Canada to Great Britain.

The fumigation of mails from the East is carried out most systematically at Marseilles during the present cholera alarm. The mail bags are carried into a large laboratory by postal officials, kept in quarantine, and the contents are scattered abroad on tables. The room is then hermetically closed and thoroughly fumigated, being finally well ventilated. Then the ordinary town postal officials enter by a door at the opposite end of the room, refill the bags, and carry them off, without coming into contact with any one in quarantine.

Some large steel forgings are made in England. Among them is a hollow propeller shaft, 55 feet long and 18 1/2 inches in diameter, with a 10 inch hole through it, and weighing 15 1/2 tons. It is claimed for this shaft that it is 28 per cent lighter and 30 per cent stronger than it would be if made of solid wrought iron.

HEALTH HINTS.

Sleepless people should court the sun, which is the very best soporific.

Washing the hands twice a day with Indian cornmeal and rubbing on a little glycerine at night will keep them soft and white.

NEW TREATMENT FOR CONSUMPTION.—At a German ultramarine manufactory, managed by a pupil of Liebig, the director has observed that for forty-four years none of his workmen have ever suffered with consumption. He attributes their immunity to the fact that the process of manufacture involves the constant production of sulphurous acid, by the burning of sulphur. Accordingly he suggests a new method of treatment for consumptive patients, by bringing them into an atmosphere moderately charged with sulphuric acid.

That was a practical method of expressing his disapprobation of tobacco using which was adopted by Dr. Eliphalet Clark in his gift of

\$50,000 to the Methodist Seminary at Kent's Hill in eastern New England. One provision of his will is: "If at any time a member of the Faculty or one of the teachers connected with the institution shall use tobacco in any form, and shall refuse to abandon the habit, and the case is not attended to by the Faculty, then for that year the interest shall be added to the principal."

A CONSUMPTION CURE.—A young minister supposed to be far gone in consumption, and who made an address in which he alluded to the fact that he would soon be under the daisies was advised by a minister who heard him to change front. In other words he was to try to live and stop speaking in low chest tones, themselves provocative of hemorrhage. He was advised to "breathe deeply, speak strongly, dismiss fear, and live in the open air." He did so, and still lives to pronounce the benediction. We knew a young man—he was then young—who was apparently in the last stages of consumption, his voice weak, his face sunken, and lassitude accompanied every action. But one day he was invited to join a brass band. It seemed a mockery, but the idea struck the young man favorably, for he had musical tastes, and despite the wishes of his family and friends he enrolled his name. Not only so, but instead of taking up with the cornet or flute he chose the ophicleide, which requires twice the wind of any other instrument. From that instant he commenced to improve. The constant use of his lungs strengthened them in their weakest part, nature came gallantly to the rescue, and now the sometime sickly young man is in the best of health, and has a voice like the sound of a fog-horn. The ophicleide has not heretofore been given a place in the *materna medica*, but in this instance its efficacy is clearly indisputable.—*Christian at Work.*

SEASONABLE ADVICE TO BATHERS.—The Royal Humane Society, in its recently issued report, gives the following advice to swimmers and bathers: "Avoid bathing within two hours after a meal. Avoid bathing when exhausted by fatigue, or from any other cause. Avoid bathing when the body is cooling after perspiration. Avoid bathing altogether in the open air if, after having been a short time in the water, it causes a sense of chilliness with numbness of the hands and feet. Bathe when the body is warm, provided no time is lost in getting into the water. Avoid chilling the body by sitting or standing undressed on the banks or in the boats after having been in the water. Avoid remaining too long in the water; leave the water immediately there is the slightest feeling of chilliness."

VARIETIES. 'Tis not the lip or eye we beauty call, But the full force and joint effect of all.—*Pope.* Faithfulness and sincerity are the ground work of all goodness. Old friends are best. King James used to call for his old shoes; they were easiest for his feet.—*Selden.* A lady at Saratoga has become blind from using something to make her eyes brilliant. She sees her folly, though. The Supreme Court of Kentucky has decided that a wife may recover money lost by her husband gambling. That is more than the husband can do for himself. A young lady calls her beau 'Honey-suckle,' because he is always hanging over the front railings. 'Money is round, and made to roll,' said the spendthrift to the miser. 'That's your way of looking at it,' said the jatter; 'I say that money is flat and made to pile up.'

'Roastbeefambuttendonandham,' said the girl who 'waits on the table' at the Isles of Shoals. 'Well,' said the old gentleman, 'I've never tasted it, but you may bring me some and I'll see what it's like.'

To tell a lie, and then defend it with other lies, is like digging a cellar and making it large enough to hold all the dirt that is displaced.

The crusade of a New Hampshire reformer is against chewing gum. His fervid oratory sets forth that gum leads, via tobacco, to ruinous alcohol.

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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.

"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 two months, and think your SARSAPARILLA the greatest blood medicine in the world." JAMES MAYNARD, 220 West 42d St., New York, July 19, 1882.

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Dyspepsia.

The benefit I got I would not part with for a thousand dollars. It saved my life. I am 72 years old. MICHAEL BENTLEY. Aug. 8.

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People's Home Mission Agency.

The Society has been in operation 15 years. Colporteurs to the number of 162 have been employed, who have distributed Bibles and good books worth \$141,286 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 20 Colporteurs employed in 1882 performed labor equal to that of one man for 124 years; found 205 Protestant families without Bibles, 279 with no other religious books, and 878 families who never enter the House of God. They sold books worth \$13,382, 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 WORD 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.

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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 5,000 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, \$68,250.

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