

FARM, FIELD AND GARDEN.

EVERYDAY LESSONS IN THE VARIOUS BRANCHES OF FARM LIFE.

Modern Contrivances That Rival the Old Time Well in Supplying an Abundance of Pure Water Described and Commented Upon.

The ease and certainty with which modern machinery will supply almost any place with an abundance of pure water, says Massachusetts Plowman, not to be understood as it ought to be. The old time well is inadequate to the wants of modern times. To meet these more extended demands a deep and abundant source of supply is wanted, and this, according to the authority quoted, may be obtained most easily, in general, by the ordinary driven well. Following are additional statements and suggestions made:

In most cases it costs less to hire a professional well driver with his tools than to attempt to drive a well without experience. The best way is to drive a three inch or four inch pipe, and with a good supply of water is reached to insert a suction pipe 1 1/2 or 1 3/4 inches in diameter, which can easily be drawn out for repair in case of need. There are very few places where a good supply of water will not be reached before the well strikes the bed rock, which is reached at various depths, from ten to sixty, and even more, feet below the surface. Sometimes it will be found necessary to drill the bed rock. This is always expensive, but we have known excellent wells obtained on very high land where the drill was driven thirty or forty feet into the solid rock.

When a good supply of water is reached it will sometimes rise in the well within a few feet of the surface, but in general will need to be pumped to an elevated reservoir, whence it can be drawn at will.

Probably the best and cheapest power for pumping in most cases is found in the windmill. A good mill of twelve or fourteen feet in diameter will give abundant power for pumping all the water needed for watering stock, domestic uses, etc., where less than 100 head are kept, and will also run the churn, the grindstone, and with a good breeze, a circular saw for cutting wood. In general, however, when it is desired to saw wood, grind grain and do much heavy work, larger mills will be required. The small mills have the great advantages of comparative cheapness, of being less subject to accident, and of giving greater power in proportion to their size than the larger ones. We have used for the past thirteen years an Eclipse mill for pumping water, and the repairs in this time have cost only five or six dollars. It has saved us many times its cost in furnishing water at a far cheaper rate than is done by the city waterworks where we live, whose rate is 30 cents for 1,000 gallons by meter.

There are also, sometimes three or four days together, when a windmill will not work for lack of wind. It is therefore necessary to have a large storage tank, large enough to hold several days' supply in order to be provided against such times. But we have never seen a farm yet where such work has been done, that the owner did not regard it as a most profitable investment.

Seed Distribution. The law establishing the department of agriculture clearly states that the purchase and distribution of seed shall be confined to such seeds as are rare or uncommon to the country, or such as can be made more profitable by frequent changes from one part of our own country to another. The primary object of the distribution is to give increased value to production, to obtain the best geographical distribution of varieties, and to introduce them more rapidly into the localities to which they are best adapted. Every plant has a natural habitat, which is limited in extent, and it is established fact that when an attempt is made to grow it elsewhere it soon deteriorates and requires renewal from seed grown under the conditions of soil and climate most favorable to its perfect development.

This statement, says the commissioner of agriculture, in his last annual report, is corroborated by the large number of reports of experiments made with seeds sent out by this department during the past two years. The remarkable yields reported are mainly attributed to the use of fresh seed grown in localities where each variety attains its highest perfection, and the introduction of such seeds has been of much importance to the country. While the commissioner has endeavored to secure the greatest practical benefit to the farmers under existing laws as they relate to seed distribution, he expresses the opinion that the object aimed at could be better secured through the state experiment stations that were provided for by law at the last session of congress. These stations could do the testing and experimental work much better than the farmers, and seeds should then be distributed that were not meritorious and found well adapted to the localities in the same way the department itself would be relieved of the duty of testing and distributing seeds and be enabled to work in other directions of great importance to the agricultural interests of the country.

Effect of Inhaling Flour Mill Dust. In order to test the effect of constant inhalation of dust in flour mills on the animal organization, guinea pigs were kept for two years in the dusty part of a flour mill—that is to say, the department where the grain is cleaned from all extraneous matter by a special machine before being ground. Of twenty animals, says The Lancet, ten remained alive at the end of two years. Those that died were mostly young ones. None of these showed traces of tuberculosis, but catarrhal pneumonia, also in some cases localized interstitial pneumonia and extravasation of blood. Dust, consisting of grains of starch, etc. was found more particularly on the nasal mucous membrane, but only to a small extent in the bronchials.

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TEMPERANCE WORK.

Items from All Over Concerning the Cause. Donnell McIntyre, of Tilsonburg, was fined \$50 and costs for retailing whisky from a pocket flask in violation of the Scott Act. The proprietor of the Matheson House paid \$100 for a similar offence.

Fathers! You who have boys! Can you vote for the legalizing of the saloon? Can you practically tell your boy, that the whisky business is so good a thing that you as a Christian, are in favor of giving it the sanction of a license? Can you ask God's blessing on your Anti-Scott-Act vote?

Men must and will have some kind of a drink that is refreshing, mildly stimulating and cheap. Beer fills the bill. Liquor Age. And fills the man too. Also the prisons and the lunatic asylums, also the poorhouses. Next!—Louisville (Ky.) Southern Journal.

Two immense tracts of land in Australia, covering an area of about 500,000 acres along the river Murray, have been purchased by some capitalists, with a view to irrigation and colonization, and no drinking-shops are to be allowed.

Miss Charlotte A. Gray, who has been instrumental in organizing a W. T. U. in Denmark, is now engaged in forming a similar organization in Norway, and also assisting the temperance work of Good Templars in that country.

Col. F. N. Dew, of Portland, a member of the Maine Legislature, and son of Gen. Neal Dew, was recently elected by acclamation Speaker of the House.

Manitoba Royal Templars have had a Grand Council meeting at Winnipeg. Dr. McDermid was elected Grand Councilor.

Grey county council voted "yes" on the question of memorializing the Government for Prohibition. The vote stood 36 to 9.

Whitby W.C.T.U. workers have in operation free reading rooms, and a night school for boys, and a number of other charitable institutions. They raise money by entertainments which are well patronized by the appreciative townspeople.

A little seven-year-old girl, Sarah Dykes, given two wine-glasses of whisky by her drunken father, and who was soon after found dead, was one of the New Year's victims of alcohol in New York.

The Roman Catholic Church in Brooklyn, with Fathers Fransiel, Barry, Ward, and others, have commenced a crusade against the saloon, which has created great excitement in the city.

The young Emperor William has prohibited horse-racing on Sundays in Germany. Prohibition may, by and bye, overtake even German beer.

Bruce County Council refused to adopt the prohibition petition sent in from Oxford.

Wellington County Council adopted the prohibition memorial without a dissenting voice.

Henry Kohler, of Plattsville, Oxford County, has been sentenced to sixty days in goal for a third Scott Act violation, and Charles Kleinmattler, of Washington in the same county, got off with \$50 and costs.

Important Workmen. Artizans, mechanics and laboring men are liable to sudden accidents and injuries, as well as painful cures, stiff joints and lameness. To all thus troubled we would recommend Hagyard's Yellow Oil, the handy and reliable pain cure for outward or internal use.

Robert Armstrong, of London, turned his wife and children out of doors in the blizzard of Thursday, last week. Of course he was drunk. He actually tried to pawn his boots for whisky.

Be on Your Guard. Don't allow a cold in the head to slowly and surely run into catarrh, when you can be cured for 25c. by using Dr. Chase's Catarrh Cure. A few applications cure incipient catarrh; 1 to 2 boxes cure ordinary catarrh; 2 to 5 boxes guaranteed to cure chronic catarrh. Try it. Only 25c and sure cure. Sold by all druggists.

David Dion, a painter of Perth, 36 years of age, was found dead, frozen, by the railway track, on Sunday, the 3d inst., with a bottle half full of whisky in the pocket.

A Life of Ease. Miss Lizzie Ratcliffe, writing from Falkirk, Ont., says: "I had such a cough I could not sleep and was fast going into consumption; I tried everything I could hear of without relief, but when I got Hagyard's Pectoral Balm I soon got ease. It is the best medicine I ever tried." Lizzie Ratcliffe, Falkirk, Ont.

Nothing but liquor could have produced the results which a western exchange last week described in the following terms:—A disgraceful scene was enacted in a house on Hill street, London, on Thursday. There was only a couple of chairs and a table in the squalid cabin, and on the table lay a dead child. The father, Ira Halliday, was in a beastly state of intoxication. The relief officer sent a coffin down for the child. Halliday, in a drunken frenzy, refused to allow it to come in, and attempted to throw hot water on his wife when she interfered.

Hay fever is a type of catarrh having peculiar symptoms. It is attended by an inflamed condition of the lining membrane of the nostrils, tear-ducts and throat, affecting the lungs. An acrid mucus is secreted, the discharge is accompanied with a burning sensation. There are severe spasms of sneezing, frequent attacks of headache, watery and inflamed eyes. Ely's Cream Balm is a remedy that can be depended upon. 50cts. at druggists; by mail, registered, 60cts. Ely Brothers, Druggists, Oswego, New York.

RELIGIOUS NOTES.

Interesting Paragraphs Relating to Christian Work. A profane man may make a good organ. A profane boy may operate the bellows skillfully. But the man at the keys cannot alight the "Hallelujah Chorus" unless he can put an honest and a fervid soul into the execution. No more can the singer.

True Terms of Communion. How much it is to be lamented that the Christian world should be so violently agitated by disputes, and divided into factions on points which, it is allowed, in whatever way they are decided, do not enter into the essentials of Christianity! When will the time arrive when the disciples of Christ shall cordially join hands and heart with all who build the Head, and no other terms of communion be insisted upon in any church but what are necessary to constitute a true Christian? The departure from a principle directly resulting from the genuine spirituality, and so evidently indicated and implied in the sacred Scriptures, has in my apprehension been productive of infinite mischief; nor is there room to anticipate the period of the universal diffusion and triumph of the Christian religion, but in consequence of its being completely renounced and abandoned.—Robert Hall, D.D.

Love is the sacred wand that transforms the moral nature of man into beauty, harmony and love. Every spring of feeling, and all the organs of thought are sanctified by its magic touch. Principles and passions are no longer jarring with each other; for all have been moulded by the same hand, and fashioned after the same pattern. All the faculties of the corporeal and all the faculties of the mental frame are alike influenced by this heavenly grace. The wandering eye, the listening ear, the eloquent tongue, the busy hands, the wilful feet, are all actuated by the ruling principle of love to God. The understanding becomes as a lamp of light, the memory is the storehouse of celestial wisdom, the conscience is the keen and tender touch-stone of insinuating sin, the will is the mainspring of holy feel and holy purpose. The passions, too, are all under the control of this great and glorious principle. Meekness and gentleness have superseded their opposites. The love of the world is strictly subordinate to the love of God. Murmuring and complaining are at an end; and contentment in every state is sweetly experienced. In short the carnal mind is exchanged for the mind which was in Christ Jesus.—Rev H. J. Booth.

It is said that hundreds of good clergymen are now wasting their time in New York city, in the vain hope of getting a parish in the near the metropolis. The desire for a city charge is widespread among the clergy of the United States, and every year it is becoming harder to induce first-class men to accept a country pastorate. The original meaning of "pagan," as we know, was a dweller in the country. If this tendency to the city is the result of the increase of the modern dwellers in the country may again become "pagans" in more than one sense.

Nothing is more curious in India than to pass from a workshop where the most perfect artistic results are being produced to another whose jerry-men and inefficiency has no rival in the world. The carpentry of India is beneath contempt, and so is the cabinet work. If missionaries instead of providing costly high school teaching for young Hindus, turning out 10 candidates for every position in life for which their education fits them, would add to their staff a few Christian joiners from England or, better still, from Japan, and start technical schools of carpentry they would confer a real and lasting good to the missionary cause. So says a recent letter.

ever Attack. Miss Beila Elliot, of Pontypool, Ont., writes—"My brother and I were both taken ill with a severe attack of diarrhoea, having tried other remedies, we tried Dr. Fowler's Extract of Wild Strawberry, which gave immediate relief."

"They have a larger sale in my district," says a well known druggist, "than any other pill on the market, and give the best satisfaction for sick headaches, biliousness, indigestion, etc., and when combined with Johnston's Tonic Bitters, Johnston's Tonic Liver Pills will perform what no other medicine has done before for suffering humanity." Pills 25 cents per bottle. Bitters 50 cents and \$1 per bottle. Sold by Goodell Druggist, Albion block, Goderich, Ont.

Mrs. Alexander Stobie of Searthur, died at her residence on Thursday the 21st ult., after an illness of several months, of that fatal disease consumption. She leaves a husband and a family of small children to mourn her demise.

More Remarkable Still. Found at last, what the true public has been looking for these many years and that is a medicine which although but lately introduced, has made for itself a reputation second to none, the medicine is Johnston's Tonic Bitters which in conjunction with Johnston's Tonic Liver Pills has performed some most wonderful cures impure or impoverished blood soon becomes purified and enriched. Biliousness, indigestion, sick headache, liver complaint, languor, weakness, etc., soon disappear when treated by these excellent tonic medicines. For Sale by Goodell Druggist, Albion block, Goderich, Ont.

A Free Gift. Around each bottle of Dr. Chase's Liver Cure is a medical guide and receipt book containing useful information, over 200 recipes and pronounced by doctors and druggists as worth ten times the cost of the medicine. Medicine and book \$1. Sold by all druggists.

A REWARD.—Of one dozen "TEABERRY" to any one sending the best four-line rhyme on "TEABERRY," the remarkable little gem for the Teeth and Bath. Ask your druggist or address

The Feet in Winter.

Some one has remarked that "self-acting rubbers, on and off with a kick are the grandest life preservers of the age." And it is also related that poor Mrs. Candie, the good lady whose curtain lectures so long kept her patient husband awake, came to her death through no more ferocious cause than a pair of thin shoes; she could talk to the men about their carelessness, but after all she died, and Job, thanks to his thick cowhide boots lived to mourn her loss. From October until May, the care that we take of our feet will go a long way towards securing for ourselves both comfort and good health. No one can with impunity neglect the condition of their feet during these months, and it now has become a well established fact that wet and cold feet are a prolific source of disease.

There are three things necessary in order to secure the most healthy condition of the feet; they should be kept warm, dry and clean. The first requisite is obtained by wearing suitable stockings. In selecting the material we should remember that, wool is the best non-conductor of heat, and second, which is the most comfortable to the wearer. Experience has taught us, that woolen is the most perfect non-conductor, therefore it is more generally used for winter wear than cotton or silk.

Care should be taken to use only one kind during the season. It is not wise to wear cotton today and woolen tomorrow, and thus alternate from one to the other, as in this way it is very easy to catch cold. But the choice of either material must be left to the wearer. The natural heat of the body caused by the activity of the circulation will suggest which is best for his own individual use. Thus for one who has a large amount of natural heat, woolen retains this surplus of heat, profuse perspiration is induced which soon becomes condensed by the cold which comes through the boot or shoe, and the feet are thereby kept clammy, damp and most disagreeably cold; but if cotton or silk hose is worn, the extra heat is conveyed away, still leaving enough to keep the feet comfortably warm.

In Brief, and to the Point.

Dyspepsia is dreadful. Disordered liver is misery. Indigestion is a foe to good nature. The human digestive apparatus is one of the most complicated and wonderful things in existence. It is easily put out of order.

Greasy food, tough food, starchy food, bad cooking, mental worry, late hours, irregular habits, and many other things, which ought not to be, have made the American people a nation of dyspeptics.

But Green's August Flower has done a wonderful work in reforming this sad business and making the American people so healthy that they can enjoy their meals and be happy.

Remember—No happiness without health. But Green's August Flower brings health and happiness at the dyspeptic. Ask your druggist for a bottle. Seventy-five cents. Specially

Consumption Surely Cured. TO THE EDITOR:—Please inform your readers that I have a positive remedy for the above named disease. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy free to any of your readers who have consumption, if they will send me their Express and P. O. address.

Respectfully, Dr. T. A. SLOCUM, 37 Yonge St., Toronto, Ont.

At the recent meeting of the Fruit-growers' Association, held in Hamilton, J. A. Morton, of Wingham, was elected a director.

More Trouble May Be Expected. if you do not heed the warnings of nature and at once pay attention to the maintenance of your health. How often we see a person put off from day to day the purchase of a medicine which if applied at the outbreak of a disease would have remedied it almost immediately. Now if Johnston's Tonic Liver Pills had been taken when the first uneasiness manifested its appearance the illness would have been "nipped in the bud." Johnston's Tonic Bitters and Liver Pills are decidedly the best medicine on the market for general tonic and invigorating properties. Pills 25c. per bottle. Bitters 50 cents, and \$1 per bottle. Sold by Goodell Druggist, Albion block, Goderich, Ont.

Mr. D. Shanahan, of Hullett, was called away on Monday, by the death of a married daughter, who resided near Toronto.

A Profitable Life. Few men have accomplished the same amount of work and good in this world as the celebrated Dr. Chase. Over 500,000 of his works have been sold in Canada alone. We want every person troubled with Liver Complaint, Dyspepsia, Headache, Kidney or Urinary Troubles, to buy a bottle of Dr. Chase's Liver Cure, it will cure you. Medicine and Receipt Book \$1. Sold by all druggists.

To the Medical Profession, and all whom it may concern. Phosphatine, or Nerve Food, a Phosphate Element based upon Scientific Facts, Formulated by Professor Austin, M. D. of Boston, Mass., cures Pulmonary Consumption, Sick Headache, Nervous Attacks, Vertigo and Neuralgia and all wasting diseases of the human system. Phosphatine is not a Medicine, but a Nutriment, because it contains no Vegetable or Mineral Poisons, Opium, Narcotics, and no Stimulants, but simply the Phosphate and Glyceric Elements found in our daily food. A single bottle is sufficient to convince. All Druggists sell it. \$1.00 per bottle. JOHN & CO., sole agents for the Dominion, 55 Front Street East Toronto.

Victoria Carbolic Salve is a great aid to internal medicine in the treatment of scrofulous sores, ulcers and abscesses of all kinds.

BOOTS & SHOES

E. DOWNING'S

We have made extraordinary preparations for a rousing fall and winter trade. We have all

THE LATEST STYLES in low-price goods, as well as in

THE FINEST GOODS MANUFACTURED!

We are justly called the leaders in

LOW PRICES

style, and variety of goods. Give me a call and I will show you

The Largest Stock of Boots and Shoes of every Description, Rubbers, Overshoes, Felt Boots, Lumbermen's Stockings, etc., to be found in Western Ontario.

They are all bought at close prices for cash, and will be sold at a small advance on cost.

E. DOWNING, Crab's Block, Cor. East-st. and Square.

D. GORDON, THE LEADING UNDERTAKER

Furniture Man

of this town for the last 40 years, and is yet.

Any person wanting a First-Class Job, come to me for it.

I am bound to get your trade if Quality and Price is any consideration.

I have an immense stock of Furniture now on hand, and carry more Undertaking stock than all others combined.

UNDERTAKING AND EMBALMING A SPECIALTY. HEARSEES SECOND TO NONE.

PICTURE FRAMING AND GILDING DONE.

Blind Shade Rollers at 15 Cents each.

Now is your time if you want cheap blind rollers.

COME ONE. COME ALL. WAREROOMS:—Between P.O. and Bank of Montreal.

1912-3m

HAVING RE-FURNISHED my shop in the latest style, put in Three new Barber Chairs, two of them the celebrated Rochester Cutting Chair, and hired a journeyman barber, we are in a position to do better work than heretofore.

Lady's & Children's Haircutting made a specialty on all days except Saturdays. Razors and Shavers ground.

W.M. KNIGHT, 2011 West Street, two doors east of P.O. Goderich

FALL MILLINERY!

MRS. SALKELD

has opened up a most attractive stock of Fall Millinery, in

RIBBONS, PLUSHES, SHAPES,

and everything else pertaining to the trade.

The Ribbons are exceptional in selection and value, Crazy Patches of first-class material on sale at reasonable rates.

PARKER DYE WORKS, TORONTO.—I am also the only agent in this section for the celebrated Parker Dye Works, Toronto. Orders solicited and satisfaction guaranteed.

2145-3m MRS. SALKELD.

NEW ANNOUNCEMENT!

The undersigned, while thanking the public for their liberal patronage bestowed upon him since commencing business, begs to announce that he has put down his prices to

ROCK BOTTOM FIGURES

and wishes particularly to call attention to his

SPLENDID LINES OF TEAS

From 10 cts to 75 cts per lb, Maple Syrup, finest Case Prunes pure Spices, Lawry celebrated Bacon, cooked Corn Beef, Cut Myrtle, Cavendish and Club Tobaccos, best American fine cut chewing Tobacco, fresh salt and canned Fish, best quality.

2 Bars of Soap for 25c. 3 Scrubbing Brushes for 25c.

Lemons, Oranges, Mixed Candy, A No. 1 Chocolate Drops, etc., etc., General

Groceries, Crockery, Glassware, Flour, Feed

JOHN ROBERTSON

SU COE SSOB TO C. L. M'INTOSH Blake's Block, the Square, Goderich, Goderich, March 14, 1898.

THE POET

Dear God: The day is a fearful one and But 'cause you forgot The poor little thing That's why I'm writin' A purpose to let you Please come and find That's all, from Little orphan Annie's

One't they was a little pray'rs; An' when he went to bed, His mummy heard him bawl, An' when the turn'd all An' they seeked him in cubby hole, an' pre An' seeked him up the ever'where.

An' one time a little grin, An' make fun of ever' an' kin; An' one't when they folks was there, She smacked her face, an' she didn't care.

An' little orphan Annie was blue, An' the lampwick sprit was so; An' the lightnin' bugs I saw, You better mind yer pr'fond an' pr'.

From Mr. J. Haydn Montreal, says:— "years with bilious play, and I never failed to have me like Bar in fact one bottle cure."

A handsome scarf a pos-ible pearl surr-tins-coral. More for cramer thimble, around wh pretty enameled dai Links of rich, fil delicate threads, ar ring up now as Miss Dresses to be usually cut high c shaped; occasional! White crepe de are embroidered els Venetian metal w

An exquisitely pin is a butterfly wing, with a ruby iring. The twisted bark in oxidized silver, i ffective bit of ornau box.

Shoulder-straps s ered to fill the plac sequently the sleeve even the short sleeve pared off into both

A paper cutter, may open the leaves azine, is of polished an Indian dagger, i the same metal. Cream white dr cloth are heavily en in gold, and made cian fashion. Th and show the per classic grace of ea curve and fold. A merit of "chessna but are to the full; rare satin brocade.