

AGRICULTURAL

Improved Method of Laying Out an Orchard.

In laying out land for orchard planting the use of a wire marked with solder gives far more accurate measurement and is more time-saving than a measuring pole and

IMPROVED ORCHARD CHAIN.

stakes. A light galvanized wire is best, and the drops of solder that mark the distance required for the trees, or vines, should be prominent enough to be seen readily when the wire is on the ground. In taking the wire from the coil it should be unrolled, not pulled out from the end, as in the latter case the wire is more liable to take short kinks that interfere with its accuracy. About 100 yards is the limit of length of wire that can be readily handled by two men on fairly level land. On undulating land a third man will be needed at the middle of the wire. The ends of the wire are made fast to the middles of two short, stout sticks which serve as handles in moving the wire. When the wire is stretched on the ground for marking, it is held in place by pegs set against these handles. In marking off the orchard, the first step is to run a base line a, as seen in the sketch, along one side of the field. The wire is stretched tight and straight where the tree row is wanted, the handles are pegged down and then each solder mark has a peg put down beside it. The wire is then carried to the opposite side of the proposed orchard—if that be not more than a wire's length distant,—and again stretched exactly parallel to the base line, b, and each solder mark pegged as before. This is a guide line, merely. The distance from the base line is not material, but it is material that it be exactly parallel. Now the actual work of laying off the orchard begins. The wire is stretched along the side of the field, at right angles to the base line, c, the first solder mark touches the first peg on the base line, the wire touches the corresponding peg on the guide line, is made tight and straight, fastened down, and a peg placed on each solder mark. Then the wire is moved down the field a peg, d, and the operation repeated. If all has been done with care and correctness the pegs will range straight both ways and any number of diagonals may be sighted greatly to the pleasure of the lover of exact work.

Getting the Seed Ready.

The rough, cold, rainy, or snowy days of winter may be spent to advantage indoors. The seed corn is to be selected, if it was not done in the field when gathered, as it should have been. Choose long, thin ears with deep, long, narrow grains. Such corn will ripen early and will yield from fifty to sixty bushels of shelled grain to the acre.

Carefully select four or five bushels of ears of such corn out of the corn crib and spread them upon the upper floor of the barn or in the granary, where they can be kept dry and free from vermin. It may take several days to pick out the right kind of seed, but it is time well spent.

The garden sweet corn should be likewise as carefully selected. The editor knows of a gardener who gets two dollars a bushel for all his "evergreen sweet corn," and has done so for a number of years. A farmer grows some 200 bushels of yellow corn, true to name, for which he receives an extra price. These extra prices are received by those growers who are careful to make a proper selection year after year. It should never be forgotten that it is just as important to make a careful selection of farm or garden seed for one's own planting or sowing as if the seeds were grown for sale. The corn should not be shelled off the cob, as it gathers moisture when shelled and kept in bulk. It should be shelled by hand a few weeks before planting.

Seed oats, if oats are grown, should be run through the fanning mill four or five times. Take off the chaff screens and put in screens Nos. 3, 4, and 5. Put a last screen in the upper notches of the mill. This will keep the oats longer on the screen, and a more complete separation of the heavy grains from the light and chaffy will be had. The mill should be turned briskly and the oats put into the hopper gradually. Oats so cleaned will be worth sixty to seventy cents per bushel, and when drilled two bushels will seed an acre. Carrot, parsnip, and beet seeds may be cleaned in the same way.

A large number of farmers, on their limestone soils, raise clover seed, and take cold winter weather to thresh it out. It threshes better out of the hull. Such seed should be recleaned, so the light seed can be blown out of it, besides the light weed seeds. This is important, as only prime heavy seed is wanted. Dealers in clover seed say that the best seed comes from the West. This is occasioned by our farmers not being careful enough in their cleaning of the home-grown article before sending it to market.

The hay chaff from the hay mows should be carefully gathered every few weeks and kept stored in a dry place, and early sown thickly over the pasture. This seedling will thicken the sod and drive out weeds.

Wire Worms.

This pest is one of the most harassing the farmer is called upon to deal with. In turnips, mangels, and grass the presence of wire worm is often not so apparent, and remains undetected. A winter fallow is desirable after a bad attack in wheat, oat, and barley crops, in which damage is plain and manifest. In this case the land should be cultivated immediately after harvest, and moved constantly, so that nothing may grow. Early in the spring the ground should be stirred again and vetches sown, of which wire worms do not seem to be very fond. When oats and barley are

attacked, dressing with soot and rolling should be tried, or nitrate of soda to stimulate the plants, says an exchange. It should be harrowed in if possible. It is suspected that wire worms are abundant in land sown with grass; some rape seed should be sown with the seeds to attract the wire worms, until the grasses are established. In meadow land infested with wire worms, rolling with a very heavy roller is sometimes beneficial. Salt at from five to seven cwt. per acre is sometimes useful, and folding sheep with mangels or swedes carted on to the grass land is a most valuable remedy.

WOLSELEY'S PLUCK.

The Bravery of Lord Wolseley, Then Captain, in the Crimean War.

On the 31st of August, about 12.30 a. m., a small party of Russians made an attack on our extreme right advanced works. There was no covering party at hand, "and the working party fell back in confusion before one-third of their numbers, in spite of repeated attempts of Capt. Wolseley to rally them." The Russians destroyed about fifty yards of the sap, and then fell back 200 yards into the Dookyard Ravine, whence they kept up an incessant fire. The Gervais Battery, from the other side of the ravine, played on the head of the sap, and in a short time we had twelve casualties out of sixty-five men. When the Russians retired Capt. Wolseley got some sappers to work to repair damages, but this was difficult, as they had to labor under a shower of bullets, round shot, and shells, and the work progressed only by Capt. Wolseley and a Sergeant, Royal Engineers, working at the head of the sap.

Wolseley was on his knees, holding the front gabion, into which a Sergeant, working also in a kneeling position, threw earth over his Captain's shoulder. The gabion was half filled, when it was struck in the centre by a round shot from the Gervais Battery. Wolseley was terribly wounded, and, indeed, the Sergeant pulled his body back without ceremony, intending to bury it in camp, when he found the life of his officer was not extinct. Besides grave injuries in the upper face, a large stone from the gabion was driven through the cheek and jaw to the neck, where it lodged; the right wrist was smashed, and a serious wound inflicted on the shin. Strange to say, he did duty, after a rapid temporary recovery, till the armies re-embarked, the shin wound becoming more serious later, when the bone began to exfoliate.

Pleasant Now to Go to the Doctor.

That clever adjustment that all things must now practice that hope to survive is nowhere so delightfully shown as in medicine. The visit to the doctors is now robbed of all its terrors. A young girl who recently came through a perilous surgical operation was asked how she felt. "Bored" she exclaimed languidly, and this was her hardest word. Those amiable and scholarly men, those genial companions and friends, those accomplished men of the world have robbed disease of many of its terrors. The sugar-coated pill, the compressed tablet, the gelatine capsule, are each instances of medical men's intention to make himself agreeable. His luxurious waiting room, with its easy chairs, bric-a-brac, its latest magazines and funny papers, is a tempting place to await a pleasant interview, and be recommended to some interesting climate, to a period of absolute repose, to be waited on hand and foot, to have one's muscles picked up by massage, to experience the curious titillations of electricity, and take milk punches at 11 o'clock and at 4. There are women who say that the pricking of the vertebrae by electric needles and the searing of the backbone at white heat are sensations interesting and by no means disagreeable.

SMOKER'S CRAMP.

It Afflicts Those Who Roll Cigarettes, and Has Appeared in Europe.

A new disease has appeared in Europe, which has been styled smoker's cramp. It is very similar in its effects to writer's cramp or scrivener's palsy. The disease is caused by rolling cigarettes with one hand. For many years it has been common in Spain, although some smokers are so expert as to make a cigarette with a single twist of the fingers. Since a law was recently passed in France permitting the manufacture of hand-made cigarettes, large numbers of girls have been employed in rolling cigarettes by hand. It is among them that the disease has appeared. In Spain, however, it is not confined to the cigarette girls, but is a common ailment among the rest of the population who indulge in the fragrant but baneful papalito.

Learning Golf.

First Young Lady (learning golf)—Dear me! What shall I do now? This ball is in a hole.

Second Young Lady (looking over book of instructions)—Let-me-see. I presume you will have to take a stick of the right shape to get it out.

First Young Lady—Oh, yes, of course. See if you can find one shaped like a dustpan and brush.

He—"How well Miss Elderberry carries her age!" She—"But then she has become so accustomed to it, you know."

Charlatans and Quacks.

Have long plied their vocation on the suffering pedals of the people. The knife has pared to the quick; caustic applications have tormented the victim of corns until the conviction shaped itself—there's no cure. Putnam's Painless Corn Extractor proves on what slender basis public opinion often rests. If you suffer from corns get the Extractor and you will be satisfied. Sold everywhere.

SUNSHINE HAS RETURNED.

The Shadows Overhanging a Niagara Falls Home Have Vanished.

Little Mabel Dorey Cured of St. Vitus' Dance After Four Physicians Had Ineffectually Treated the Case.

From the Niagara Falls Review.

In speaking to a friend recently we were asked if we had heard that little Mabel Dorey, the eight-year-old daughter of Mrs. Dorey, Ontario avenue, had been miraculously cured of St. Vitus' dance. We replied in the negative but stated that we would investigate the case and ascertain the facts. Accordingly we visited the home of Mrs. Dorey, when she related the facts as follows:—"My little girl has had a miraculous experience. It is about two years and a half since Mabel was stricken with St. Vitus' dance caused by the weakening effects of la grippe and rheumatism. Three local physicians were called in as well as one doctor of considerable reputation from Niagara Falls, N. Y., but in the face of the prescriptions of these physicians and the best of care, Mabel grew rapidly worse. She could not be left alone an instant and was as helpless as an infant as she had no control of her limbs at all. She could neither walk without assistance nor take food or drink. At this stage one of the attending physicians said, 'Mrs. Dorey, there is no use in my coming here any more. There is nothing that I know of can be done for your little girl.' Well, matters went on that way for a short time, with no better results till one day I was sure the poor child was dying. I remembered having seen accounts of St. Vitus' dance cured by the use of Dr. Williams' Pink Pills for Pale People and I determined to try them. I was skeptical as to the effect and only tried them as a last resort, but was soon agreeably surprised at the result. It was not long before they had a good effect and I then felt certain I had found a remedy that could cure my little girl if anything could. In less than three months she was so much better that the dread disease had almost disappeared, and the pills were discontinued. In a few months, however, she showed that the symptoms had not been entirely eradicated from her system, so I had her again commence the use of the Pink Pills. I feel certain that all traces of the awful malady will be swept away, for she goes to school now and we have not the slightest anxiety in leaving her alone. Dr. Williams' Pink Pills is certainly a grand remedy and I would not be without them under any consideration, for I think they are worth their weight in gold, as in my little girl's case they have been true to all they advertise. I am only too glad to let others who may be unfortunate know of this miraculous cure through the use of Dr. Williams' Pink Pills.

When strong tributes as these can be had to the wonderful merits of Pink Pills, it is little wonder that their sales reach such enormous proportions, and they are the favorite remedy with all classes. Dr. Williams' Pink Pills contain the elements necessary to give new life and richness to the blood and restore shattered nerves. Sold in boxes (never in loose form) by the dozen or hundred, and the public are cautioned against numerous imitations sold in this shape at 50 cents a box, or six boxes for \$2.50, and may be had of all druggists, or direct by mail from Dr. Williams' Medicine Company, Brockville, Ont., or Schenectady, N. Y.

Evident.

I'd be a musician, said the bore, calmly, only I have no sense of time. That's just what I thought, said the girl, languidly, as the clock struck 11, about an hour ago.

Get Rid of Neuralgia.

There is no use in fooling with neuralgia. It is a disease that gives way only to the most powerful remedies. No remedy yet discovered has given the grand results that invariably attends the employment of Polson's Nerviline. Nerviline is a positive specific for all nerve pains, and ought to be kept on hand in every family. Sold every where, 25 cents a bottle.



Mr. J. W. Dyleman
St. George, New Brunswick.

After the Grip

No Strength, No Ambition

Hood's Sarsaparilla Cures Perfect Health.

The following letter is from a well-known merchant tailor of St. George, N. B.: "C. I. Hood & Co., Lowell, Mass.: 'Gentlemen—I am glad to say that Hood's Sarsaparilla and Hood's Pills have done me a great deal of good. I had a severe attack of the grip in the winter, and after getting over the fever I did not seem to gather strength, and had no ambition. Hood's Sarsaparilla proved to be just what I needed. The results were very satisfactory, and I recommend this medicine to all who are afflicted with rheumatism or other

Hood's Sarsaparilla Cures

afflictions caused by poison and poor blood. I always keep Hood's Sarsaparilla in my house and use it when I need a tonic. We also keep Hood's Pills on hand and think highly of them. J. W. DYKEMAN, St. George, New Brunswick.

Hood's Pills are purely vegetable, and do not purge, pain or scribe. Sold by all druggists

MR. S. F. RYCKMAN.

Hamilton's Well Known Contractor Cured of a Severe Attack of Sciatica in Five Days.

"I had so severe an attack of sciatica in May, '94, that I could hardly walk. I was recommended by G. W. Spackman, druggist, to use South American Rheumatic Cure. I followed his advice and within five days was completely cured. Three years before when troubled with same complaint, it took doctors three months to cure me."

S. F. Ryckman, Hamilton, Ont. The first dose of South American Rheumatic Cure gives relief, and absolutely convinces that a cure is certain.

A Considerate Judge.

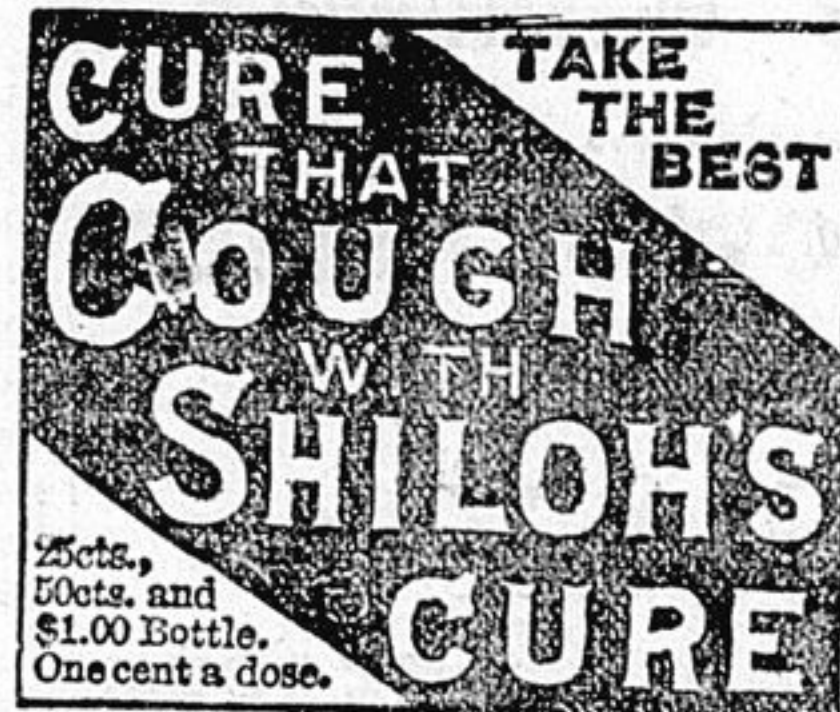
Have you anything to say? asked the rural Justice of the prisoner who stole the horse.

Nothin', yer Honor. Well I won't lecture you this time, Actions speak louder than words, so I'll just hang you and be done with it!

You Don't Have to Swear Off,

says the St. Louis Journal of Agriculture in an editorial about No-To-Bac the famous tobacco habit cure. We know of many cases cured by No-To-Bac, one, a prominent St. Louis architect, smoked and chewed for twenty years; two boxes cured him so that even the smell of tobacco makes him sick." No-To-Bac sold and guaranteed no cure no pay. Book free. Sterling Remedy Co., 374 St. Paul St., Montreal.

Catarrh—Use Nasal Balm. Quick, positive cure. Soothing, cleansing, healing.



It is sold on a guarantee by all druggists. It cures Chronic Consumption and is the best Cough and Croup Cure.

For 20 Years

the formula for making Scott's Emulsion has been endorsed by physicians of the whole world. No secret about it. This is one of its strongest endorsements. But the strongest endorsement possible is in the vital strength it gives.

Scott's Emulsion

nourishes. It does more for weak Babies and Growing Children than any other kind of nourishment. It strengthens Weak Mothers and restores health to all suffering from Emaciation and General Debility. For Coughs, Colds, Sore Throat, Bronchitis, Weak Lungs, Consumption, Blood Diseases and Loss of Flesh. Scott & Bowne, Belleville. All Druggists. 50c. & \$1.

SAUSAGE CASINGS—Finest Imported English Sheep and Narrow American Hog Casings at right prices. Park, Blackwell & Co. Ltd. Toronto

WANTED—Bright, active, energetic men in every section of the country to introduce in the neighborhood an article of universal usage. Sure sale at every house. Splendid chance to make big money. Address, W. A. LOFTUS, Montreal.

\$150.00 FOR AN OLD CANADIAN STAMP used between 1851 and 1858. LOOK UP YOUR OLD LETTERS and old collections of stamps and get the highest cash price for them from C. A. NEEDHAM, 654 Main St. E., Hamilton, Ont.

WANTED—OFFICE MANAGER in every City and County. Fortune for good Agents. Address, D. A. EVANS & CO., 74 College St., Room 12, Toronto, Ont.

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Slate, Sheet-Metal, Tile & Gravel Roofers Sheet Metal Collings, Terra Cotta Tile, Red, Black and Green Roofing Slate, Metal Cornices, Felt, Tar, Roofing Pitch, Etc. Gutters, Downpipes, &c., supplied the trade. Telephone 1936. Adelaide & Widmer Sts. TORONTO.

Recipe.—For Making a Delicious Health Drink at Small Cost.

Adam's Root Beer Extract..... one bottle
Fleischmann's Yeast..... half a cake
Sugar..... two pounds
Lukewarm Water..... two gallons
Dissolve the sugar and yeast in the water, add the extract, and bottle; place in a warm place for twenty-four hours until it ferments, then place on ice, when it will open sparkling and delicious.
The root beer can be obtained in all drug and grocery stores in 10 and 25 cent bottles to make two and five gallons.

THE MONEY-MAKER KNITTING MACHINE

ONLY \$10. ASK YOU, SEWING MACHINE AGENT FOR IT, OR SEND A 3 CENT STAMP FOR PARTICULARS, PRICE LIST, SAMPLES, COTTON YARN, &c. THIS IS GOOD FOR \$25. SEND TO CREELMAN BROS. INC. GEORGETOWN, ONT.

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The Largest Manufacturers of PURE, HIGH GRADE COCOAS AND CHOCOLATES. On this Continent, have received HIGHEST AWARDS from the great Industrial and Food EXPOSITIONS in Europe and America.

Unlike the Dutch Process, no Alkalies or other Chemicals or Dyes are used in any of their preparations. Their delicious BREAKFAST COCOA is absolutely pure and soluble, and costs less than one cent a cup.

SOLD BY GROCERS EVERYWHERE.

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Owing to the enormous sale of our famous

"Something Good" Cigar

Other Manufacturers are putting on the market inferior goods under its name. A poor article is never imitated, therefore the fact that "Something Good" is being counterfeited is a guarantee to smokers that it is the best 5c. Cigar on the Market.

In purchasing see that our trade mark (The Snowshoe) and firm name are on each box, no other is genuine. Our "Something Good" brand is registered and any one selling other cigars under this name will be prosecuted.

Empire Tobacco Co., Montreal

FOR TWENTY-FIVE YEARS

DUNN'S BAKING POWDER
THE COOK'S BEST FRIEND
LARGEST SALE IN CANADA.

Do you Want Living Seeds?

See our Catalogue or write us... All enquiries answered.

The Steele, Briggs, Marcon Seed Co. TORONTO, Ont.

Note—All enterprising merchants in every town in Canada sell our seeds.

Get them sure or send direct to us.

ST. LEON INVARIABLY CURES RHEUMATISM

Every prominent practitioner recommends it. All reputable dealers sell it.

ST. LEON MINERAL WATER CO. (Limited)
Head Office—King St. W., Toronto
Branch—448 Yonge Street.

Dr. Laviolette's Syrup of Turpentine

ALWAYS CURES. Proof Positive. Read it.

Miss Etta Lake, Park Hill, Ont., says—I have used Dr. Laviolette's Syrup of Turpentine for a most severe cough. One 25c. bottle cured me completely, and I pronounce it to be the best thing I ever used.

Mrs. Morrill, No. 18 Natalie street, Toronto, Ont., says—My little boy, two years old, was suffering from his birth from a severe attack of bronchitis, and after trying several remedies without any effect whatever, and seeing your advertisements in the papers, I decided to try it and was more than astonished at the results, as, after using one 25c. bottle, my little boy was completely cured. I can, therefore, recommend it very highly to all mothers as an infallible remedy.

ASK FOR IT From your Druggist or Grocer, who can procure it at any wholesale house or direct from the proprietor,

J. CUSTAVE LAVIOLETTE, M. D.
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