

of the Latest Invention... with a green... but the... near some... in the dust... contaminated... paper that... brought out... with great... of two sheets... together with a rubber...

ON THE FARM. HARVEST SONG. Summer all is a pleasure past... Summer charm is a tale that's told... Days of reaping have come... Days of ripeness and days of gold... Down the meadow-way, glad and strong... Love comes singing his harvest song...

FRAGRANT SOZODONT

New Size SOZODONT LIQUID 25c. New Patent Box SOZODONT POWDER 25c. Large LIQUID and POWDER 75c. 25c. At the Stores or by Mail, postpaid, for the Price. A Dentist's Opinion: "As an antiseptic and hygienic mouthwash, and for the care and preservation of the teeth and gums, I cordially recommend Sozodont. I consider it the ideal dentifrice for children's use."

FEILTZERS. Every item on the farm there is probably none in which the motto "Knowledge is power" manifests itself so much as in the use of fertilizers. There is really nothing complicated about the principles of feeding plants, and it is due almost entirely to ignorance that so many mistakes and failures occur. A soil may be almost destitute of plant food and still fail to respond to applications simply because of lack of judgment or ignorance in using them. It must be understood at the outset that plants can only take up their nourishment in a liquid form, therefore, before fertilizers can be of one particle of benefit to the growing crop, they must be changed from the solid to the liquid form. Every opportunity should be given to facilitate this change. If the soil contains plenty of moisture at the time of planting, the fertilizer will, of course, dissolve rapidly and be ready for the tiny plants just as they need some nourishment to give them a strong, healthy start. On the other hand, if the soil is dry at sowing time, the fertilizers will not pass into liquid condition, and the crop is deprived of the food it needs, and this is a drawback not usually overcome during the entire season, and results usually in much reduced yields. Again, there is even a possibility of injury ensuing in a dry season when fertilizers are applied at sowing time. The plants, just as they are sprouting, are tender and may be injured by coming in contact with the fertilizers. The remedy for all this, then, is to apply the fertilizers before planting time, in order to give opportunity for them to become dissolved and spread out through the soil. There are some fertilizers, though, that are so soluble that they cannot be applied before planting time, otherwise they would wash out of the soil and be lost to the crop. A few words, then, about the distinction of the different classes may enable farmers to follow...

these suggestions without danger of loss. The three plant foods which have to be supplied are phosphoric acid, potash and nitrogen. Phosphoric acid can be used in the form of acid phosphate, dissolved bone, ground bone and boneblack. These materials can all be used several weeks before planting time, and worked into the soil. It is best to work them in, as there may be loss from surface washing, and again by working in they are within easy reach of the plant roots. The forms of potash are: muriate of potash, sulphate of potash, sulphate of potash-magnesia and kainit. These products also give better results when used in the same way as the phosphoric acid. In fact, authorities recommend that the potash and phosphoric acid should be applied together several weeks before the seeds are planted. There is little danger of these mineral fertilizers washing out of the soil, since they form new compounds in the soil and remain there until taken up by the crops. With nitrogen, though, special care has to be given. Take nitrate of soda, which is the most soluble, and quickest acting form of nitrogen and therefore best suited for practical use. It should only be applied at a time when the plant is in need of nitrogen. The effect of nitrogen is to stimulate growth and to hasten plants to early maturity. It is to be seen, therefore, that nitrate of soda possesses special advantages for truck growers and others who wish to get their crops on the market early in the season, so as to secure the highest prices, which usually prevail then. As the plant does not need all of the nitrogen at one time, it is best to divide the nitrate of soda into three parts, using the first as a top dressing immediately after the seeds are sown, the second portion two or three weeks later, and allow about the same amount of time to elapse before using the remaining portion. A similar case has turned up in the village of St. Epi. Que. Through this sufferer was not stone blind, his eyes nevertheless were utterly useless to him by lamplight. And they have been completely restored by Dodd's Kidney Pills, which is another point of similarity. There is no attempt made to assert Dodd's Kidney Pills are a cure for blindness. Dodd's Kidney Pills are the greatest kidney medicine ever known. That is the claim made for Dodd's Kidney Pills, and there is evidence enough to prove that claim. But in cases where Kidney Disease has left poisons in the blood and the said poisons attacking the weakest spot, injure the eye, Dodd's Kidney Pills are just as infallible as where the poison attacks the joint of the arm or the small of the back. That the case of Thomas St. Pierre was restored is but another argument that Dodd's Kidney Pills make the blood absolutely pure. Here is Mr. St. Pierre's letter: "I am happy to-day to see my health entirely re-established by Dodd's Kidney Pills. I owe that wonderful remedy a thousand thanks. Before using Dodd's Kidney Pills I had consulted many physicians and taken medicines of various kinds, but each made me worse. I had a constant pain in the back and limbs. At night I could not rest, and I could not see by lamplight. Having taken only two boxes of Dodd's Kidney Pills I am perfectly cured. My eyesight is clear. I feel all those whose health is not good, from whatever cause, try Dodd's Kidney Pills. Nine times out of ten sight is clear. I advised all those two dollars spent for Dodd's Kidney Pills will do more than millions spent otherwise, for who holds anything in the world more dear than health, or would spare any means to save it?"



"Ah! gov'ner, if they was only all as quiet and peaceful as them, eh?"

OWES HIS EYESIGHT TO A MIRACLE. INDEBTEDNESS TO DODD'S KIDNEY PILLS ACKNOWLEDGED BY THOMAS ST. PIERRE. Health Entirely Re-established by Dodd's Kidney Pills—Another Triumph for That Wonderful Remedy—His Eyesight Has Been Strengthened. St. Epi. Que. July 29.—(Special.) One year ago a miracle was announced in Chicago. R. A. Wade, the great criminal lawyer, regained his sight after having for years been totally blind. His case was published throughout the length and breadth of America, and it attracted more attention to Dodd's Kidney Pills than any medicine ever got before. For it was Dodd's Kidney Pills that restored his sight.

VENTILATION AND AIR CURRENTS. While the milk room should be well ventilated those who still use the old pans should be careful that there is not a direct current of air blowing over the pans. The outside air is not pure and sweet. It may be laden with dust or it may be bear with it odors which are not desirable in the butter, or bacteria that will produce bad flavors or early decay. But even if the air is all right it toughens the surface of the cream as they churn it does not, but goes away in the butter milk or mixes into the butter, usually most of it doing the latter, and then the butter is filled with specks which are simply sour cream that will not only impart an undesirable taste to the butter, but cause it to become rancid very quickly. We learned this by a little unpleasant experience of our own many years ago, as we have learned some other things, writes a correspondent, and we advise our friends to be warned before they have to pay for the lesson. One may remove these particles of tough cream by straining the whole through a fine sieve, but it is easier not to have them. Place a screen between the window and the milk shelves if it is necessary to open the windows to cool or ventilate the room.

CABBAGE AS STOCK FOOD. The value of cabbage as food for stock may be summed up as strong in two points, the large amount that can be grown upon an acre of soil and its succulence, which makes it a milk-producing food easily digested. But it requires strong soil and good cultivation, does not keep well for winter use unless pitted, where it will be frozen until spring and even then having but a short season, while it stumps and any decayed leaves are fed it is almost impossible to prevent it imparting a rank, unpleasant flavor to the milk and butter or even to the meat, unless its use is discontinued two or three weeks before the slaughtering. As regards the nutritive value, Professor Johnston, in Agricultural Chemistry, estimated seventy pounds of cabbage to have about the same value as four pounds of oil cake, twelve pounds of pea straw, sixteen pounds of clover hay, twenty pounds of timothy hay, 110 pounds of oat straw or 120 pounds of turnips. This last we think he bases upon the flat or English turnip, which are not as nutritious as the rutabaga. The value of the cabbages as of the roots, is best found when a small amount is given along with coarse, dry fodder and limited amount of grain.

BEST FOR WHEAT. Clover is the best crop to plough under for wheat after the second crop of hay has been cut. The soil is then richer in fertilizing material than at any previous stage of growth. The shading of the soil by clover, and the fact that it adds nitrogen also makes it one of the most valuable crops that can be grown, as the value of the plant food to the soil is nearly equal to that of the crop itself.

BOTTLED SUNSHINE. Radium Has Wonderful Power and is Highly Expensive. Bottled sunshine has at last become a possible thing, though somewhat costly. Radium is the mineral which promises to furnish us with practically enduring bottled sunshine. The peculiarity of this bottled sunshine, however, is that it is without heat.

Prof. Langley, who has been making experiments in this direction, recently received two hermetically sealed vials containing radium, a mineral discovered by Mme. Thodowska-Curie, a Polish chemist, in the salts of uranium. The professor has found radium to possess wonderful properties. From these vials, which are each about the size of your little finger, an unceasing greenish-white light issues. This remarkable light gives its immediate surroundings a peculiar glow like that from X-rays. One of the vials contains a white, star-like powder, and the other a similar substance broken into cubes with faces a tenth of an inch in dimension. In the dark these vials give sufficient light to enable one to read a printed page held closely to them. The power shown by this small quantity of radium leads the scientist to the conclusion that half a pennyworth of the mineral, if thinly spread out, would light an ordinary sitting-room.

Moreover, if in giving off light the radium parts with energy, it is so slight as not to be measurable, an estimate being that an almost indefinite time would be required to exhaust the light-giving properties of the two small vials in question. Its energy is apparently in the mineral itself, for after being in the dark for a couple of months the light given forth was nowise weaker. Curiously enough chemists used to treat radium as though it were practically valueless, but now the mineral has become so precious that it costs about \$1,000 an ounce; for only small quantities of it are found in uranium, and its extraction is very costly. This mysterious radium is capable of emitting two distinct sets of rays—one like ordinary daylight and the other like X-rays. Moreover, the rays have the effect of sunlight on a photographic negative. Finally, tried as an X-ray, the light was found capable of photographing through the wood of a plate-holder.

LIFE-SAVING MUD. In London, when the streets are muddy, there is a marked diminution of diseases that are prevalent when dust is blowing. Consumption often gets its start from dust. Other illnesses, almost equally grave, follow from the inhaling of flying particles of flying filth. Add sufficient water to transform the dust into mud, and the power for harm is gone for mud is inert. The germs that infect dust become inert in mud, because these germs cannot go anywhere unless they are carried. Moreover, mud is very likely to get ultimately into the drain-pipe, and the germs are carried off where they can do no harm. Even when mud dries on the clothing and is brushed off, the dust that arises therefrom does not appear as dangerous as that which has not been recently wet.

FROM THE TRAINS. Passengers Get Glimpses of the Pan-American Exposition. People travelling from the east and west will gain a glimpse of the Pan-American Exposition miles away from the great and glorious spectacle itself. Surrounding the setting of the exposition there are numerous features that will rival the attractions of the great show for public attention, and especially is this true of Niagara Falls. There is no greater wonder to behold in the world than the Falls of Niagara, the beautiful gorges, and the dashing turbulent waters of the Whirlpool Rapids. If they are alert, long before their train stops at Niagara Falls, passengers on the Grand Trunk Railway will come in sight of the mighty observation tower from which searchlight signals will be flashed to the Electric Tower of the Exposition. In fancy one can picture the beam of the powerful projector extending way off toward Hamilton, Ont., to give glad welcome and greeting to the incoming trains laden with humanity anxious to see the falls and the exposition. Speeding across the wonderful gorge the train will carry its passengers in full view of the Falls of Niagara and the Whirlpool Rapids, while the remarkable gorge will stretch out on either side of the greatest railway steel arch bridge in the world. This bridge of the Grand Trunk Railway at Niagara Falls is one of the wonders of the locality, and resting, as it does, one end in the domain of King Edward, the other in the United States, it forms a portion of the industrial bond in the Anglo-American union that forces a realization that no matter on which side of the Niagara we reside, we are all Americans—Pan-Americans.

Discovery of a Town. An entire town has recently been discovered in the dominions of the late Czar of the existence of which no one seems to have had any idea. Deep in the forests of the Ural region, in a flourishing city, the inhabitants of which speak a curious language of their own, and seem to form a sort of ideal commonwealth, in which taxes and tax gatherers among other troublesome things, are unheard of.

PEOPLE who are using LUDELLA CEYLON TEA exclusively know they are having a good thing. Try it and you will know the name. Best results still all your BUTTER, EGGS, MILK, LARD, APPLIES, other FRUITS and VEGETABLES, to The Dawson Commission Co. Limited, Cor. West Market and Colborne St., Toronto.

PRINTERS... Printing Material for Sale. PRINTING PRESSES. One Four Roller Campbell Press, front delivery, bed 43x56, \$1200. One Four Roller Campbell Press, bed 37x52, \$1100. FOLDING MACHINES. Two 7-col. quarto Brown Folding Machines, each \$400. Type-Setting Machines. Two Roger's Typographs, in first-class order, each \$550. Also Cutting Machine, Stones, Stars, Body and Display Type. All this Machinery is in First-Class Order. Easy Terms will be Given, or Special Discount for Cash. On account of adding a more up-to-date Plant the above Machinery and Type will be disposed of at a Sacrifice. The Wilson Publishing Co., of Toronto, Limited. TORONTO, CANADA.

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The North Coast Limited. Train of the Northern Pacific which created such a furore during its first season, in 1900, is again shooting back and forth across the continent in all the glory of its form and days. This Crack Train of the Northwest, almost entirely new for 1901, is the epitome of modern passenger train construction. The Dining Car with its a la carte breakfast and lunch and table d'hote dinner for \$1.00; the unequalled Tourist Sleeping car of 10 sections, roomy lavatories and electric lights; the first class Drawing Room Pullman with two electric lights in each section and the palatial Observation car with two smoking rooms, buffet, barber shop, bath, library, of 140 volumes, current magazines, ladies' parlor and observation platform, all together form a train of unusual comfort, excellence, and even luxuriousness even in this day of luxuries.

Calvert's Carbolic Ointment. For all skin ailments. J. O. Calvert & Co., Manchester, England. ENGINEERS' SUPPLIES. Asbestos Gaskets, Pipe Covering, Lubricating Oils, Greases, etc. Wm. Sutton Compound Co., Limited, Toronto. Metallic SKYLIGHTS. Douglas, Bragg, Toronto, Ont. Brass Band. Instruments, Drums, Uniforms, Etc. EVERY TOWN CAN HAVE A BAND. Lowest prices ever quoted. Price catalogue sent on request. Write us for anything in Music or Musical Instruments. Whaley Royce & Co., Toronto, Ont., and Winnipeg, Man. Dominion Line Steamships. Montreal to Liverpool, Boston to Liverpool, London to Liverpool. Via Queenstown. Large and Fast Steamships. Superior accommodation for all classes of passengers. Saloons and Restaurants. Special attention has been given to the comfort and convenience of the Third-Class accommodation. Rates of passage and all particulars apply to any agent at the Company's Office, 77 State St., Boston. D. Torrance & Co., Montreal and Portland.

Advice to Old Maids. Give your gentlemen friends good tea. It is unnecessary to go to India for a Min-Soon. Glad packets. All grocers.

YOUR OVERCOATS. Careful Housekeeper—Bridget, you may get all the preserves we canned last year and boil them up again. I am afraid they have begun to work Bridget—It is enough, mummy, like enough. Everything 'round this house has to. WOOD & PHOTO ENGRAVING. J. L. JONES & CO. TORONTO. G. E. ADRIAN & SONS TORONTO.

strange power of a volcano... when a mass of rock... thirty tons was projected... To do this, an experted a force of nearly... is the latest disinfectant... best pinch, thrown on a hot... that it roasts, will cleanse... of disagreeable odors... pound of coffee emptied on... will be sufficient to de... simply cover up the... all arising from decompos... and new state, intended to be... is being formed in... land that extends to... and Bolivia. A large rubber... has created it, and has... the first president by the... inhabitants, most of whom... is employ. "The name of the... public is 'Arc.'"

Pale and Dejected. THE TRYING CONDITION OF MANY WOMEN. Subject to Headaches, Dizziness and Heart Palpitation. They Grow Discouraged and Prematurely Old. From the Review, Windsor, Ont. "Dr. Williams' Pink Pills is the only medicine that ever gave me any real benefit," said Mrs. R. K. Harris, a well known resident of Windsor, to a representative of the Review recently. "I do not know exactly what my trouble was; doctors seemed unable to help me, though I thought myself in complete health. I had a constant racking cough, and a constant feeling of languidness. My blood seemed to have turned to water, and I was very pale. I had a feeling in my chest as though some foreign substance was lodged there. The slightest noise made me nervous; I was scarcely able to do any work. I tried medicines, but they did not help me in the least. Doctors did not seem able to help me, or tell me what ailed me, although their bills increased with alarming rapidity. I grew so weak, and so despondent that finally I decided to take a trip to Colorado to see if a change of climate would benefit me. While contemplating this trip I read in a paper one day the testimonial of a person whose symptoms were almost identical with my own, who was cured by Dr. Williams' Pink Pills. I decided to give them a trial, and purchased a box. When that box was done I got another, and found gradually that the pills were helping me. The trip to Colorado was abandoned, and I continued using the pills until I had taken eight or nine boxes when I felt like an altogether different person. From a pale, thin, lifeless person, I became the picture of health, and felt it too. It is seven years since I used the pills, and I have not had any return of the trouble. I am positive Dr. Williams' Pink Pills saved me from an early grave, and I cannot recommend them too highly to those who are afflicted as I was."

FISH CABINET WAGES. The annual "wages bill" of the Cabinet is no light sum—at it nearly reaches £100,000. The exact amount is not yet known, but it is estimated to be £100,000. The Cabinet as at present stands is the largest in the history of Ireland, who received £10,000 a year; the Lord Chancellor next with £10,000, and the Lord Chief Justice with £5,000. Seven Ministers are stationed at the Foreign Office, and the Chancellor of the Exchequer are paid £25,000 each. The standard salary for a Secretary of State is £4,500. The Admiralty has £4,500. The remaining eight members of the Cabinet are each given £2,000 per annum. The offices of the Secretary of State and of Postmaster-General are respectively rated at £2,500.