Flower Leveloped by Electricity Bac fteria Make Tobacco Good.

Electricity is about to find a new employment in horticulture. Spring vegetables are already being forced by its aid for market, There is no doubt that roses and other flowers can be made to bloom more plentifully and more profitably with its assistance In short, the discovery affords promise of possibilities not yet estimated.

The Department of Agriculture at Washing has been experimenting in this direction for some time past. It has been found that lettuce is particularly susceptible to the influence of the electric light, by means of ed by careful study of the results produced | cupfuls of sifted flour. under all sorts of conditions. The effect of the electricity being to hasten maturity, too much of it causes lettuce to run to seed before the edible leaves are formed.

It must not be imagined that electricity is employed for such purposes as a substitute for sunlight. It is merely used in a supplememtary fashion. The greenhouse that has the sun in the daytime is illuminated at night with arc lights, toward which the plants incline their leaves and flowers, ac- Discovery," which overcomes these diseases, cepting quite innocently these artificial counterfeits of the orb of day. It was sup- result. Dr. Pierce of Buffalo, has put this posed hitherto that vegetables required intervals of darkness for their healthy development, just as animals need sleep; but it It is worth more to you than "piles of has been shown that, supplied with electric brick and stone and gold." Ask your Neatly describes the position of a hard or rays, they will go on growing thriftly between sunset and daybreak. Staying up or cure in every case, or money paid for it tractor is applied. It does its work so all night seems to do them no harm so long | will be refunded. as the dissipation is properly regulated.

On the same principle that beer is selected by the prudent as a less demoralizing bever- not to speak ill requires only our silence, by all druggists and dealers everywhere. age than whisky, the electric gardener employs opal globes to diminish the intensity of the light. When it is left bare and permitted to shed its unfiltered rays upon the plants, the latter grow pale, run up quickly in sickly stalks, and soon die. It remains to be discovered exactly how much electricity is beneficial, and during precisely what period of the development of the vegetables it ought to be applied.

The influence of electricity upon the color and productiveness of flowers has been shown to be extraordinary. Tulips exposed to its light have deeper and richer tints, flowering | pecially for the maladies which afflict womore freely, and developing longer stems and bigger leaves. Fuschias bloom earlier under like conditions. Petunias also bloom earlie; and more profusely, growing taller and more slender. It is the same way with many other flowers. In fact, there is every ray son for believing that the electric light will be very profitably used in future as an adjunct to forcing establishments for both flowers and garden vegetables. Already one of. market gardener in New Jersey is employing it with a success which he reports as marvelous.

the U.S. Department of Agriculture is conducting has to do with tobacco.

is its fermentation, which occurs during the cases of Catarrh, and thereby saved him process known as "bulking." The leaves are from much suffering and premature death, packed closely together in large piles, and enabling him to make his millions, and enafter a while the mass heats, the tobacco joy life. The cures made by this medicine being said to "sweat," and the aromatic are simply wonderful. compounds which contribute to its taste and odor are formed. These phenomena of fermentation are caused by bacteria.

Now, each sort of tobacco has its own kind of bacteria, which gives it aroma and flavor incidentally to feeding upon it. Here comes in a wonderful discovery, for it has been ascertained by experiment that poor tobacco, when innoculated with the bacteria naturally belonging to fine tobacco, obtains a simple operation it is easy to transform cigars, which the consumer may readily be St. Leon Water. led to believe are from the Vuelta Abajo.

Thus far the matter has not passed beyond friends and gain thine enemies. the experimental stage. The trials were performed by propagating colonies of bacteria belonging to first quality tobacco in beef tea, and then sprinkling the latter upon the inferior leaves. After these leaves had been packed together and permitted to ferment, they were found to have all the bouquet and other desirable qualities of the fine brand. So complete were the results that expert judges were unable to tell the difference. They can undoubtedly be secured on a large scale at a small cost, perhaps by merely spraying the poor tobacco with a decoction of a superior quality, transferring by this means the vegetable organisms whose assistance is desired.

How We Beat the Yankees.

Most people forget the splendid defense of Canada, made early in the century, by the handful of Canadians-225,000, total population of Lower Canada, and 75,000 in Upper Canada -- against eight millions of the United States.

When Britain was involved in the struggle with Napoleon, its commerce ruined by the "Berlin Decrees" and the "Orders in Council," its army and navy engaged in Spain and the Baltic, the States thought it a favourable opportunity for annexing Canada, and, in spite of all concessions, declared

The Americans thought the war would be a mere promenade, and on July 12th, 1812, General Hull from Detroit issued a proclamation offering peace and liberty to Canada if it submitted, slavery and destruction if it did not.

On August 16th this same General, with 2500 troops and 37 guns, surrendered Detroit to the British General Brock, with 40 regulars, 250 Canadian volunteers 700 Indians, and 5 guns!

Two months later the Americans failed in an attack on Queenstown, near Niagara Falls, when one of their Generals, with 900 men, surrendered, after a terrible slaughter, to a Canadian force, mainly militia and volunteers, not so numerous as the prisoners.

The war went on with alternate successes and defeats by land and sea, the only great and signal defeat on the Briti h side taking place when the veterans released from Spain had come to the rescue of the Colonists, and | the winter season. the British General was in command of the fleet.

What dimensions the war might have ultimately assumed, we may judge from the fact that the Canadians, after losing a whole fleet, had just launched a 100-gun man-ofwar on Lake Ontario, when peace was made on the status quo ante bellum in 1815,-[Spectator.

Mount Vesuvius is again in a state of

eruption

The recent census returns have revealed a very satisfactory state of things in regard to Toronto industries. The amount invested purely in manufactures is the enormous sum of \$32,000,000. The number of people employed in the various factories is 26,400, and to these is paid in salaries \$9,400,000 annually. The value of the product of these industries is shown to be \$45,000,000 per year. The returns also show the reassuring fact that wages in Toronto are considerably higher than in the United States, the average here being \$355 a year, whilst over the border in the same line of industries the average is only \$309 per year.

cupful of melted butter, one cupful of New | from the Proverbs of Solomon, the Book of which it can be grown for market in two thirds | Orleans molasses, one cupful of strong, cof- | Chronicles, and the Song of Solomon, conthe usual time. Other vegetables respond fee, one egg, one teaspoonful of baking pow- taining in all, 317 words and 1709 letters. likewise in varying degrees. But everything | der, one teaspoonful of ground cloves, one | The King's uniform is composed of the whole depends upon the proper regulation of the teaspoonful of ground cinnamon, one half of the first fifty Psalms. The exact number light, and how to do this can only be learn- pound each of raisins and currants. four of words and letters in the whole portrait

The Rich Man's Son.

The rich man's son inherits lands, And piles of brick and stones and gold, And he inherits soft white hands,

And tender flesh that fears the cold. Like soft hands, and tender flesh, many diseases are inherited; especially tendencies to Asthma, Consumption, Bronchitis, and Stomach and Liver troubles; but there is a remedy, known as the "Golden Medical and cuts off all tendencies toward a fatal remedy within the reach of all, so that even the poor as well as the rich, can obtain it.

A good word is an easy obligation, but which costs us nothing.

Let the World Know You are in It.

It seems almost a crime for a man to "hide his light under a bushel." If he has something new, that will benefit the human to sober reflection. race, he should make it known. Old-fogy physicians tread the beaten path of their grandfathers, denounce advertised remedies, and never learn anything new. Medical science knows no parallel to Dr. Pierce's Favorite Prescription, compounded by a physician of skill and long experience, esmen. It effects a permanent cure of those agonizing disorders which attack her frail and specimens illustrative of mines, and for organism, and is an anchor of hope alike to delicate girls and suffering women; contains no deleterious drugs. A guarantee on the bottle-wrapper, refunding the price in case of failure. Of druggists, \$1,00.

Dost thou love life. Then do not squander time, for that is the stuff life is made

The Secret of his Wealth.

Another surprising investigation which wealth" is in the word, S-A-V-E; and the object lesson to their own people. secret of my health is in the word, S-A-G-E. By this last he meant Dr. Sage, whose Cat-An important part of the curing of tobacco arrh Remedy cured him of one of the worst

The smart men of the world are those who put the shoulders of others to the

Baffles Human Conception.

Nature's all-powerful healer is discovered and when imbibed freely radiates the arterial network of the body, absorbs and rushes off all effete, deadly poisonous matter. Also it contains all the 16 elements of ripe molethe taste and quality of the later. Thus by cular life, builds up every weak part, restores nerve and vital power, is the sunshine inferior leaves into first-class material for of life, the wonderful. So say all that use

Do good to all, that thou mayest keep thy

Dr. Williams' Pink Pills contain in con- Both the method and results when densed form the elements for building up Syrup of Figs is taken; it is pleasant the blood and nerve system. When broken and refreshing to the taste, and acts down from overwork, mental worry, abuse or excess, you will find them a never-failing cure. Sold by dealers, or sent on receipt of price-50 cents a box, 6 boxes, \$2.50-by addressing The Dr. Williams Med. Co., Brockville. Take no substitute.

He who waits to do a great deal of good at once, will never do any.

To make the breath pure and the stomach sweet as a nut chew Adams' Pepsin Tutti Frutti Gum. Sold by all Druggists and Confectioners. 5 cents.

They are never alone who are accompanied with noble thoughts.

GIBBON'S TOOTHACHE GEM. For sale by Druggists, Price 15c.

A.P. 59 i.



of pure Cod Liver Oil with Hypophosphites of Lime and Soda is almost as palatable as milk. A MARVELLOUS FLESH PRODUCER

It is indeed, and the little lads and lassles who take cold easily, may be fortified against a cough that might prove serious, by taking Scott's Emulsion after their meals during

Beware of substitutions and imitations. SCOTT & BOWNE, Belleville.

and announcement and MAGIC SCALE FOR DRESS CUTTING, taught by Miss Chubb, general agent for Ontario. 256 Yonge St., Toronto, Ont.

A GENTS WANTED-For "Out of Darkness into Light, or the story of my Life," by Joseph F. Hess the converted Prize-Fighter and Saloon-Keeper. The story of his travels and the life he led are more thrilling than the page of fiction. Send for circulars and terms. WM. BRIGGS, Publisher, Toronto, Ont.

Wonderful Portrait of a King.

Many remarkable stories are told concerning the wonders of penmanship, such as the work of John J. Taylor, of Streator, any person remarkably ungrateful, who was Ill., who once wrote 6000 words on the not insufferably proud; nor any one proud blank side of a postal card; and the Aus- who was not equally ungrateful. Ingratitrian Jew who wrote the 400 letters on a grain of wheat; but in the estimation of the writer, Gustave Dahlberg, a Swedish university student, has eclipsed them all. This wizard of the pen has made a portrait of mountains; lofty, yet barren, which proof King Oscar, the whole in microscopic duce nothing, which yield nothing, which letters, forming short and long extracts from the Bible. The right eye of this wonderful portrait is made up of even verses COFFEE CAKE. - One cupful of sugar, one from the Psalms of David; the left of verses is not stated, but judging from the fact makes no impression, and from the latter that it took 1709 letters to make one eye, the whole number of letters in this triumph of the penman's art cannot fall much short of 50,000. In making the name of the King alone, Dahlberg, used all the Royal Greek prayer and the CXXVI and CXXVII Psalms. The portrait, which is said to look life-like and natural, is on tinted paper of the kind known as "Haynes' Standard, and is so small that a Canadian half-dollar laid upon it comparatively hides it from view. Taken all in all, it is accounted the most wonderful piece of penmanship ever

Struck With Lightning

druggist for it. It's guaranteed to benefit soft corn when Putnam's Painless Corn Exquickly and without pain that it seems magi cal in action. Try it. Recollect the nam -Putnam's Painless Corn Extractor. Sold

> A knotty problem—the highest possible speed for ocean vessels. A man full of spirits is not naturally given

> The London tailors have asked the County Council to fix the same rate for women's

work as for men's.

Newfoundland purposes to hold an industrial exhibition at St. John's next October for the general display of industrial workmanship, the products of the Newfoundland fisheries, agricultural products, the study of natural history, in giving this exhibition, the Government takes the most advanced ground on protection, while the manufactures and other producers from Canada, England, and the United States are invited to exhibit, and assured of an entry "free of duty for that purpose," the prizes and premiums to be awarded will go to local exhibitors only. The competition will be among the people of the island. but they in-A millionaire said "The secret of my vite foreigners to show their products as an



gently yet promptly on the Kidneys, Liver and Bowels, cleanses the system effectually, dispels colds, headaches and fevers and cures habitual constipation. Syrup of Figs is the only remedy of its kind ever produced, pleasing to the taste and acceptable to the stomach, prompt in

its action and truly beneficial in its effects, prepared only from the most healthy and agreeable substances, its many excellent qualities commend it to all and have made it the most popular remedy known. Syrup of Figs is for sale in 75c

bottles by all leading druggists. Any reliable druggist who may not have it on hand will procure it promptly for any one who wishes to try it. Manufactured only by the

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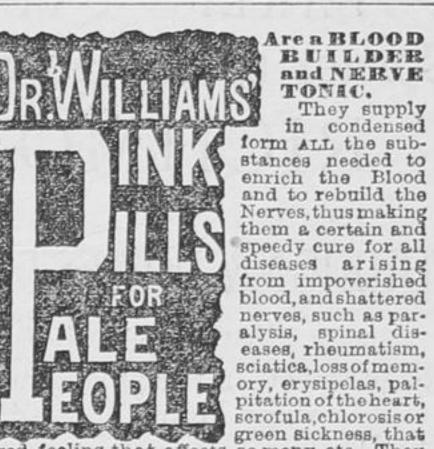
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Ungrateful People.

You may rest upon this as an unfailing truth, that there neither is, nor ever was, tude over looks all kindness, because pride makes it carry its head so high. Ingratitude is too base to return a kindness, and too proud to regard it-much like the tops feed nobody, which clothe nobody, yet are high and stately and look down upon all the world about them. It was ingratitude that put the poniard into Brutus' hand, but it was want of compassion which thrust into Cæsar's heart. Friendship consists properly in mutual offices and a generous strife in a!ternate acts of kindness to an ungratful person sets his seal to a flint and sows his seed upon the sand; upon the former he finds no production.

There is nothing at all incredible in the statement that the Russian Government is hoarding in graneries, for the use of the army, the grain recently bought ostensibly for therelief of the famine sufferers. It is well known that the greater part of the proceeds of the "famine loan" was devoted to the War and Marine Departments, and the Government has shown throughout a stolid indifference to the sufferings of its subjects, of which the action now alleged against it would hardly be an extreme instance. The famine and the persecution of the Jews have had one good result in enlightening mankind upon the nature of the Czar's Government. Any outbreak of Nihilism henceforth will be accepted, not as a criminal act, but as the only form of protest available against a cruel and stupid despotism. THE PARTY OF THE P



alysis, spinal diseases, rheumatism, sciatica, loss of memory, erysipelas, pal-pitation of the heart, scrofula, chlorosis or tired feeling that affects so many, etc. They have a specific action on the sexual system of both men and women, restoring lost vigor.

(young and old), suffering from mental worry, overwork, insomnia, excesses, or self-abuse, should take these PILLS. They will restore lost energies, both physical and mental.

afflicted with the weaknesses peculiar to their sex, such as suppression of the periods, bearing down pains, weak back, ulcerations, etc., will

find these pills an unfailing cure.

should take these Pills. They enrich the blood, restore health's roses to the cheeks and correct all irregularities.

BEWARE OF IMITATIONS. These Pills are sold by all dealers only in boxes bearing our trade mark or will be sent by mail, post paid, on receipt of price-50 cents a box or 6 for \$2.50. THE DR. WILLIAMS MED. CO., Brockville, Ont., or Morristown, N.Y.

Are the best in the world for the Throat and Chest, for the voice unequalled. R. & T. W. Stamped on each drop.

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are the best in the market and have patented improvements not found in any other wake. order one from your Carriage maker. Take I no other kind,

#T. EATON Co.

TORONTO, FEBRUARY.

Merchandise of every class that goes well together, for all sorts of people, of every use and taste.

That's a short and easy way to tell of the merchandise of such a store as this.

It differs from the ordinary store in that it is big enough to deal in most everything that people need; it can buy of the maker, use experts in every sort of goods, provide the means of doing everything quickly, easly, cheaply, wellin a word—it has what the people want, and sells as they want to buy,

Such a store—chosen by people from all over the country, because it serves them well, means more than you think.

It means getting the best the world over for the money, picking out the best without knowing all, drawing the fashion from the stuffs even when the fashion-prophet misleads; having a choice for the women who change with every little breath of what's called "style," and suiting every customer, whoever they may be, and whatever their wants.

That's only a hundredth part of the merchandise of such a store!

Writing for samples is simple enough and we're always glad to send them, but sometimes some people don't think. If you want a carpet, a new bonnet or a tooth brush we expect you to buy in person. Lots of merchandise can't be sampled. You can tell us just what it is you do want an: the chances are you'd get it right. That's next best thing to not coming at all.

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PALATABLE, - STRENGTHENING, - GRATEFUL, SATISTYING.



Containing a large percentage of the flour of Oatmeal. It makes and keeps Lady's hands soft and smooth. It cures eczema and all diseases of the skin.

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