

Scientific.

HEMLOCK A RAT-PROOF WOOD.

Being surrounded by rats, writes a correspondent, I found it necessary to keep fruits, butter, cheese, and other articles in boxes made of hemlock, not the Conium of the botanist, but the Abies Canadensis of the arborist. In these boxes I could keep the most toothsome delicacies in the cellar with impunity, even though the box afforded free ventilation, which, in many cases, is highly necessary. To test the matter still further, I made a box of dry hemlock boards, perforating each end of the box with a 3/4 inch circular hole. In this box I put a large healthy rat, caught in a hemispherical wire trap, nailed it up securely, put it in a dark quiet place, and awaited the result. On inspection at the end of 24 hours, I found he had scarcely more than touched the wood. I returned the box, leaving the rat to his cogitations, which horn of the dilemma to choose. At the end of 48 hours I made him another visit. He had evidently come to the conclusion that remaining inactive was to strand upon Scylla, while the effort to buy his liberty could do no worse than wreck him upon Charybdis. He had enlarged the hole sufficiently to get his head out, in which condition I found and dispatched him on the third morning of his incarceration.—N. Y. World.

TO STOP BLEEDING.—It is said that bleeding from a wound, on a man or beast, may be stopped by a mixture of wheat flour and common salt, in equal parts, bound on with a cloth. If the bleeding be profuse, use a large quantity say from one to three pints. It may be left on for hours, or even days, if necessary. The person who gave us this recipe says that, in this manner, he saved the life of a horse which was bleeding from a wounded artery, the bleeding ceased five minutes after the application.

ABOUT COLD MEAT.—By the following method is cold roast beef or mutton as good the second day as it was the first. It is to be cut in thin slices, each slice dipped in flour and dusted with salt, pepper and sweet herbs, then placed in layers in a deep dish, and covered with gravy or water. Ketchup or canned tomatoes are added, the dish filled with water, then covered tightly and baked two or three hours. This makes even the poorest and toughest parts of a roast, tender and delicious in flavor.

TO WASH OIL CLOTHS.—Use a sponge and warm water. This sponge is much better than a cloth, as it leaves no lint. It is also very nice for cleaning wood work.

CUTTING GLASS.—Any hard steel tool will cut glass with great facility when kept freely wet with camphor dissolved in turpentine. A drillbow may be used or even the hand alone. A hole bored may be readily enlarged by a round file. The ragged edges of glass vessels may also be thus easily smoothed by a flat file. Flat window-glass can readily be sawed by a watch-spring saw by aid of this solution. In short, the most brittle glass can be wrought almost as easily as brass by the use of cutting tools kept constantly moist with camphorized oil of turpentine.

BENEFITS OF LAUGHTER.—Probably there is not the remotest corner or little inlet of the minute blood vessels of the body that does not feel some wavelet from the great convulsion produced by hearty laughter shaking the central man. The blood moves more lively—probably its chemical, electric or vital condition is distinctly modified—it conveys a different impression to all the organs of the body, as it visits them on that particular mystic journey, when the man is laughing, from what it does at other times. And thus it is that a good laugh lengthens a man's life by co-ordinating a distinct and additional stimulus to the vital forces. The time may come when physicians, attending more closely than they do now to the innumerable subtle influences which the soul exerts upon its tenement of clay, shall prescribe to a torpid patient, "so many peals of laughter, to be undergone at such and such a time," just as they do that far more objectionable prescription—a pill or an electric or galvanic shock.

A mob is a monster, with heads enough, but no heart and little brains.

Agriculture.

ON THE TRANSPLANTING OF LARGE TREES.

Mr. O. C. Bullard, Superintendent of Prospect Park, Brooklyn, N. Y., sends the Scientific American the following interesting particulars relative to the transplanting of trees, so extensively and successfully practiced by him in various parts of the grounds under his charge:

We have planted nearly 2,000 trees of from five inches to two feet diameter with a very small percentage of loss. Relying upon a few plain simple principles, healthy, vigorous trees of almost any size, may be safely transplanted. These are, of course, exceptions. To insure success, it is important to take with the tree a mass of earth, proportionate to its size, which shall contain a large part of the fibrous or feeding roots uninjured. This accomplished, the tree may be moved without the necessity of materially damaging its form or losing its character.

The leafage should be reduced, somewhat in proportion to the necessary damage of roots.

The trees with which we have been most successful are the maples, elms, lindens (American and European), hornbeams, some of the oaks, and birches. These for the most part have abundant fibrous roots reasonably near the stem of the tree.

We dig a liberal trench around a ball of earth and roots, varying in size from six to thirteen feet diameter, according to size of tree. The roots are smoothly cut as far from the tree as they can be safely retained. The trench is carried below the roots, and the excavation well under the ball, leaving only a small pedestal.

Timbers and chains are securely placed under the ball; to the latter, heavy tackles, attached to the windlasses of the tree-truck, are fastened, and the tree is then raised in an upright position far enough to clear the ground in conveying it to the new home.

In planting, the excavation to receive the tree is dug much larger than the root ball, and deeper than its thickness. Good loam or soil is filled in to the required depth, and the tree lowered on this bed, the greatest care being taken to properly place and cover all exposed roots. Composted manure is mixed with the soil that does not come directly in contact with the roots.

Our trees make but little growth the two first years. New roots are forming and getting well hold of the rich food furnished them. The third year, and sometimes the second, they are among our most vigorous trees.

SALT FOR ANIMALS.—We continue to see in various exchanges plans to tempt the appetite of our domestic animals, by mixing salt with their food. Musty hay, and other unpalatable and innutritious food, it is said, is thus readily eaten. Decayed and decaying vegetables, rye straw, etc., are palmed off upon the cows, who deserve better treatment and more intelligent management. All live stock are fond of salt; it promotes appetite and health. Refuse materials, not fit for food, and which otherwise would not be touched, is greedily eaten for the sake of the salt. This we consider rather hard usage, and we repeat what we have often stated before, that all live stock should have a lump of rock salt, accessible at all times, in the barn yard, the horse-trough, the cow-shed and "every other place where animals most do congregate." By thus having it wherever and as often as they want it, they will never take more than natural appetite prompts, and the obvious effects of taking too much salt at one time will always be avoided.

Musty hay, rye straw and decayed vegetables will then go to their appropriate place, the barn-yard, to make manure.—Practical Farmer.

DUCK RAISING.—No fancier that can find a suitable place in his poultry yard but should have a few ducks. Their appetite is such that almost any kind of food will supply them; they pick up the waste food left by other fowls, and grow fat on it. In the barnyard, in gardens, and in pasture land, they are alike useful and beneficial. There are three kinds which now stand high among breeders, namely: the Aylesbury, which is pure white; the Rouen, which in colour resembles the wild Mallard, and the Cayuga, which are pure black except occasional white spots on the breast.—Canadian Poultry Chronicle.

MESS:NGER ALMANACK.

SEPTEMBER, 1871.

Last Quarter, Sept. 6th, 5h. 5m. afternoon. New Moon, " 14h, 2h. 5m. afternoon. First Quarter, " 21st, 0h. 58m. afternoon. Full Moon, " 28th, 1h. 30m. afternoon.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Rows list dates from 1st to 30th of September.

THE TIDES.—The ebb of the Moon's Southing gives the time of high water at Parsonboro', Cornwallis, Hottou, Hantsport, Windsr, Newpo-t, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapolis, St. John, N. B. and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland 20 minutes earlier, than at Halifax. At Cap-a-louton, 2 hours 54 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 29 minutes later.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours and to the remainder add the time of rising next morning.

A. V. P. B.

ARCHIBALD'S VEGETABLE PAIN BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung Diseases.

The Proprietor has removed to Truro, Colchester Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him. Sold by all the principal Dealers and Druggists in the Provinces. Oct. 21. 1 yr.

CHALONER'S ANILINE DYES.

THE proprietor of the celebrated Aniline Dyes in packets wishing to prevent the public from imposition begs to call attention to Messrs Avery & Brown's imitation of Rosine containing only ONE FOURTH THE PROPER QUANTITY to retail at the same price as his, viz. 10 cents. The proprietor has some one else in this province in view, but not having seen demonstration, will only refer the imitator to the above with the caution that whenever there is not a shadow of a doubt in his favor he will be advertised also. The only genuine are to be had in St. John, of Messrs. F. B. Barker & Sons, Hanington Bros., and H. L. Spencer, all of whom buy largely. These Dyes give better satisfaction than any other class, they are in almost all colors. M. genta, Pink, Ponceau, Yellow, Mauve, Violet, Purple, &c., (no black) with directions. The original have the directions printed on colored labels corresponding with the shade of the dye, they are soluble in water. For any further information on the subject, Address, J. CHALONER, Inventor and Proprietor of the Aniline Dyes in packets, Corner King and Germain Street, St. John, N. B. May 10. 3m.

American Organs.

A New and Popular Series of Instruments.

The Manufacturers, desirous of meeting the general desire for organs with all substantial excellences and at a moderate price, have designed and made a series of styles that are in all respects superior to any instruments for similar price; namely from \$10 to \$400. Not only are the cases of new and tasteful designs, but every part of the mechanism has been subjected to the most careful scrutiny in order to combine all the elements that can be looked for. Numbers One, Two and Three are designed for private use. Number Three has a new and exquisite Solo stop, named THE KALOPHON.

The tone possesses a most fascinating quality, closely resembling the real VOX HUMANA, being delicate and sympathetic, and free from the disagreeable tremor that haunts most of the inferior VOX HUMANA stops. Numbers Four and Five will found especially effective in churches of moderate size. Number Four has an Octave of Sub-bass, and Number Five both Sub-bass and an Octave Coupler, giving a great increase of power, but with no sacrifice of sweetness.

LARGER AND MORE COSTLY STYLES are also offered, of which the catalogue of the manufacturer will give information. Send for circular! Address THE SMITH AMERICAN ORGAN CO. BOSTON, MASS. C. E. GATES. AGENT FOR THE PROVINCE. For sale in HALIFAX by S. SELDEN. May 11.

WRIGHT'S Patent Sectional Spring Bed!

THE Subscribers having been appointed Sole Agent in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and a facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. May 20. GORDON & KEITH.

EAGAR'S Peruvian Bitters!

Of Peruvian Bark, Sarsaparilla, Dandelion, Wild Cherry, and other valuable remedies. AN EXCELLENT TONIC, APPETIZER, & STIMULANT.

Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the STOMACH, DEBILITY, and PAIN in the BACK. RESTORES the VITAL ENERGIES, when exhausted, braces up both the Nervous and Muscular System, PURIFIES the BLOOD, and Restores the Appetite. Particular attention is called to the fact that the

PERUVIAN BITTERS are not an Alcoholic preparation, but simply a scientific combination of valuable Roots and Barks, which purify the Blood and restore the waste, thereby bracing up both the Nervous and Muscular Systems, and giving that permanent HEALTH, STRENGTH and VIGOR, both of mind and body which nature intended man should possess.

This BITTERS is not sold as a specific for every disease, but in cases of GENERAL DEBILITY and its effects, such as Dyspepsia, Loss of Appetite, Weakness of the small of the Back, Weak Memory, Indigestion for exertion, Sense of Fatigue after eating, &c., caused by anxiety over exertion, mental or bodily, late hours, and excesses of every kind, it has no equal. Although these BITTERS contain no Alcohol, they will most effectually wear the taste from Stimulants and enable the system to dispense with them at once.

The proprietor, although averse to the practice of puffing any medicine, feels it his duty to give publicity to the following certificates.—Hundreds could be added, but such names as Dr. How, Professor of Chemistry at King's College; Capt. Harby, R. A.; Mr. Solomon, Lunenburg; a Dudley de Chair, Esq., Halifax, will be sufficient to establish its reputation as a reliable and valuable medicine.

CERTIFICATES:

I have found Mr. Eagar's PERUVIAN BITTERS beneficial to myself and in my family, and have heard of their being used with good effect in another case in Windsor. (Signed) HENRY HOW, D.C.L. King's College, Windsor.

MR. EAGAR,—I have used your PERUVIAN BITTERS in a personal case of Dyspepsia, and have derived the greatest benefit therefrom. (Signed) C. HARDY, Capt. R. A.

LUNENBURG, 28th June, 1869.

MR. EAGAR,—I have used your PERUVIAN BITTERS and can highly recommend them, as I have derived great benefit therefrom. (Signed) EDWARD H. SOLOMON, Dy. Surveyor, Co. Lunenburg.

I have tried Mr. Eagar's PERUVIAN BITTERS, and can strongly recommend them. (Signed) DUDLEY DE CHAIR, Halifax, June 3, 1869.

FOR SALE in large bottles at 37 1/2 cts. per bottle, and in one dozen and three dozen boxes. Orders from the country will receive immediate attention. Dealers Supplied on liberal terms.

TOOTH ACHE.

EAGAR'S ODONTINE ESSENCE gives instantaneous relief in all cases of Tooth Ache arising from hollow teeth and exposure of the nerve.

Thousands of bottles have been sold and in no case has it failed to give satisfaction. Be sure and obtain Eagar's Odontine Essence; take no other. The money will be returned if it fails to give relief when used according to directions in cases of tooth ache from exposed nerve.

25 CENTS PER BOTTLE.

If the above article cannot be obtained at the stores near where you live send the price in stamps to the subscriber's address and it will be forwarded immediately. Dealers supplied on liberal terms.

M. F. Eagar, 149 Hollis St. Halifax.

NEW

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The subscriber is prepared to execute orders for Drugs, Chemicals, Perfumery, Patent Medicines, Pain's, Varnishes, Oils, Tincture Articles, and all other articles usually supplied by Drug Houses. Being agent for first class Surgical Instrument makers in London and Paris, their respective priced lists can be seen at his establishment. His knowledge of the London, Liverpool and Parisian Markets, enables him to offer goods at very low prices for cash as will be seen by a few quotations below:

- Hair Oil, at from... \$0 37 per doz
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Black Cap Pomade, " " " " " " " "
Box Wood top Pomade, " " " " " " " "
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Soaps, " " " " " " " "
Prices of any articles will be given with pleasure when required.

Should any article purchased at his establishment not prove to be what it is represented, it can be returned at his expense, if not otherwise made satisfactory.

M. F. EAGAR, 149 Hollis St. Halifax. Feb. 22.

DR. JOSEPH D. DAVIS

WOULD inform the public that after thirty years of study, investigation and practical experience in connection with that terrible disease,

CONSUMPTION,

And the diseases of the anterior and posterior nares, throat, bronchus, lung, heart, liver, kidneys, and uterus, and twenty years spent in investigating, experimenting and proving, with the medicinal and therapeutic properties of the roots, barks, plants and shrubs, indigenous to Massachusetts, Maine, New Brunswick and Nova Scotia.—he has discovered new remedies, and new modes of treatment, for Consumption, not previously known to Medical Science; and with the large number of cases treated, relieved and cured during the past ten years, in Maine, Massachusetts, and in different sections of Nova Scotia, has proved, beyond the shadow of a doubt, that Consumption, very often in its advanced stages, with its medicines and mode of treatment, can be cured.

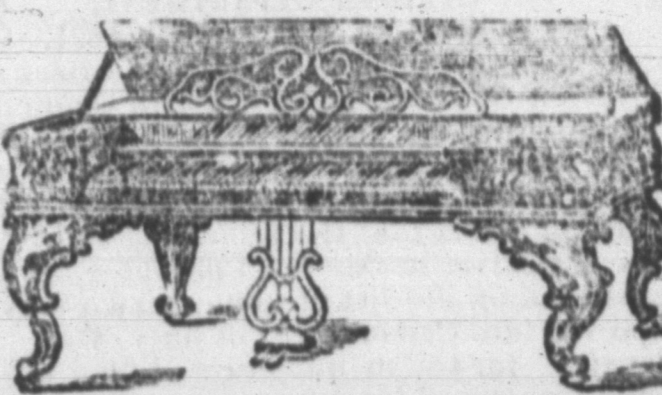
He has, at great expense, procured from London, Paris, Vienna and the United States, the finest and most delicate instruments to enable him to thoroughly diagnose diseases.

CAPE SABLE ISLAND N. S., July 15th, 1870.

DR. DAVIS—

Dear Sir—The worst of men has said that in "a multitude of counsellors there is safety," having been benefited by your medicines, I wish to say it to others who may be suffering from lung diseases. Early in 1869 my health began to give way, until such a lack of vital tone was experienced that I concluded it was time to try to avert the impending danger or doom; and arranged last autumn for a rest and a visit to my native Province; but on returning found myself no better; I became discouraged, fearing if no help could be obtained that I should have to abandon my work in the ministry. Happily for me, as the sequel proved you were directed this way last winter; and upon examination you said my lungs were in a tubercular condition, and advised me to take medicine; to which I consented, with many misgivings, which, however, were dissipated in the course of four or five months. For the first three months I could not discern much change; but after that began to feel a new vitality permeating my whole system; my work, which for months had been burdensome, became lighter and more agreeable; and now I enjoy a vigorous state of health. If this testimony should induce any who are suffering from lung disease to employ you, with the same success I do not doubt but they will feel that, under the Divine blessing by which you have been enabled to gather such valuable knowledge from nature's store house, they are your debtor. With earnest prayer that you may succeed in business and become a blessing to many of the afflicted, I remain, with kindest regards, WM. M. KNOLLIN

Dr. DAVIS has taken rooms at the LOVITT HOUSE, 68 Hollis Street, where he will remain until the 1st July next, and may be consulted daily from 11 a. m. to 6 p. m. March 15.



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