## ISUOISquienlture.

FROM EMAT, LESSONS IN SCHMING ARICULTURE, BY J. W. DAWSON, L. L. D., F. R. S., PRINCIPAL OF MCGILL UNIVERSITY. JOHN LOVELL, Montreal. one of another the transfer vit.

ORGANIC COMPOUNDS PRODUCED BY PLANTS. 51. General Statements.

All of the above munifoned nitrogenised substance tain, in addition to earbon, hydrogen oxygen and

The following table from Norton shows the proportion of nitrogenised substances contained in several of the most aportant grains and roots:

100 100 100 100 100 100 100

In this table the quantity of nitrogenised matter expresses very userly the flesh-producing value of the several substances when used as articles of food; and in this respect such facts are not only important in relation to the nature of plants, but in relation also to their use as food for men and animals. All the edible substances afforded by the vegetable kingdom may be grouped under two heads—the heat-producing and the flesh-producing. Under the former come starch, sugar, gum, and oil. These substances, by their combustion of the would draw, certain. At first we though the was a big humburg; but he has got everybody up here to taking his Billers—men, women, doctors, clergymen and all. Children are said to cry for it, but I haven't heard them. The joke is, they drink is all but don't see the Calisava. I expect they will find it in the next bottle. I dike to know where the S. T. X.comes in. Now, Mr. Editor, save us; give us something else in your paper just for a rarity, and oblige yours.

CAMOMILE and
WINTERGREEN. Minimus Asienals below as the second class belong glutan, albane, and the communitor of a second class belong glutan, albane, and the community of the second class belong glutan, albane, and the community of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan, albane, and the plantation litters of the second class belong glutan albane, and the plantation litters of the second class belong glutan albane, and the plantation litters of the second class belong glutan albane, and the plantation litters of the second class belo

ned only from the soil, and only by the roots, and by see only in a state of solution in water. Of the ele-

pari, as we shall find, only from the soil.

In respect to both of these classes of substances, the root and the soil are the most important practical subjects of consideration; since the air is alike or nearly so at all times in its composition, and cannot in this respect as regulated by the farmer. Still, as the leaves absorb food from the air, whatever gives it the largest amount of healthy-leaf will enable the plant to do this most and limbs are considered. oot and the soil, thus provides also for the TAILORING ESTABLISHMENT

TAHORING ESTABLISHMENT oper action of the leaf and the dir.

In respect to the particular elements of the organic of the food of plants, while it is useful to have in a soil organic matters yielding carbonic acid, it is more sential to have substances yielding nitrogen either as amonia or nitric seid. For this reason, the righer simulation of the food of great importance as such an account of the food of the first importance as such annuares abund be applied to clants in their sense as the stores of embonic seid and amonia at such annuares abund be applied to clants in their sense as the stores of embonic seid and amonia at such annuares abund be applied to clants in their sense at such annuares abund be applied to clants in their sense at such annuares abund be applied to clants in their sense at such annuares abund as a such annuares are justified as a s

or circular that shall be devoted only to Prince Baby, of following is the obroniche of the past week:—

Sunday—H. R. H. very good indeed.—Slightly inseed after church at being interrupted in sucking the yet on mamma's prayer-book, but justantly pacified about at a wine-glass and threw it down, but only ghest at the pieces and wanted about a sucking the whole of the pieces and wanted about a sucking from the window his royal parents in goot for a ride, distinctly remarked "Ta ta," innoting out for a ride, distinctly remarked "Ta ta," innoting out for a ride, distinctly remarked "Ta ta," innoting out for a ride, distinctly remarked "Ta ta," innoting out for a ride, distinctly remarked "Ta ta," innoting out for a ride, distinctly remarked "Ta ta," on the part of his back as a special petition, on the part of his back asset.

"Friday—H. R. H. much displeased at a bib being neered under his double chin, and he spat out his nutrinent with much lvigor.—Afterwards a made clutch, at is mother's Dagmar brooch slightly hurt his hand, but was delegated when the state of the state o

whipped.

"Saturday—II. R. H. in the highest spirits and kicking vehemently. An attempt to swallow his red sock was happily frustrated, and his royal father's watch went into his mouth spatead. He enjoyed his evening bath exceedingly, and atterly refused to allow himself to be removed from the water. At length an Angola kitten effected a diversion, and H. R. H. concluded the week by going to sleep with the affectionate kitten's tail in his band."

Oxroan, Ind., March 7, 1864

we all know this story by heart, but the great trouble is, we can't help reading it. When we think we have go some good news from Richmond, it turns out "calisaya bark" every time. It is getting to be a perfect eye-sore: Area't you hurting your paper! People call you nothing but S. T.—1860—X., or Plantation Bitters. This man

BROWN'S

**Bronchial Troches** FOR COUGHS, COLDS, THROAT DISEASES.

MRS. WINSLOW'S SOOTHING SYRUP FOR CHILDREN TEETAING. IT RELIEVES COLIC.

July 27, 1864, and by STREET

A FEW Superior Steel Engravings just received at LAIRD & HARVIE'S.

H. R. If 's usual smalphility was disturbed petition, on the part of his head nurse, that the word into his moust instead of Shem, seth, whose he endeavored to put there all livers, Verbina Water, Extract of Lavender Water, Extract of Lavender for the family of Noah.

It H. H. evinced a great desire to eat using a side in the afternoon, he distinctly horse, and made a remark which the head need to believe was see, but which the sead not think that the symptoms were in the g, though his remainstrances on being neved to H. R. H. every eleept; but the medical and not think that the symptoms were in the g, though his remainstrances on being neved to H. R. M. every much at the erash.

City Drug Store, Dec. 21, 1864.

New Mown Hay, Lovee Myrtle.

New Mown Hay, Lovee Myrtle.

New Mown Hay, Lovee Myrtle.

New How H. R. H. Stract of Lavender and the Cologue Trebis lavender Water, Extract of Lavender Hay 12, 1864.

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Of Orwell Cheap Store, from a line of Lavender Water Creater Water Store, Extract of L

airKestorer

ZYLOBALSAMUM. The great unequalled Preparation
Restoring, Invigoration, Beautifyt
and Dreasing the Hair, Rendering it soft, stiky and glossy, and disposing it to remain to any desired position; quickly cleaning the scalp, arresting the fall and imperting a healthy and natural color to the Hair.

IT NEVER PAILS To Restore Grey Hair

Its Original Youthful Color It is not a Dye, But nem directly upon the roots of the Hair, giving them the natural nourishment required, producing the same vitality and luxurious quantity as in youth.

For Ladies and Children Whose Hair requires frequent dressing the Zylobal-samum has no equal. An hely's telles is complete without in Sold by Druggists throughout the World. PRINCIPAL SALES OFFICE 198 Greenwich Street, New-York City.



habits. They add strength to the system and brilliancy to the Reproductive System during the periods of youth, paberty, and manhood; and on the due attainment of also, and in part of substances not also, and around the neck with the following—All that degree of functional vigour upon which the hopes of posterity depend. It also points out how all the attributes of manhood can be preserved to an advanced by the feaves directly from the nir, or by the soots through the medium of water, in which it has become dissolved. The fixed part of the food can be obtained by the roots, and the roots of functional date of the United States, must be the following—All the following—All

render judicious treatment frequently abortive.

The author is the only legally qualified practitioner whose name stands on the 'Medical Register,' (the sole test of medical qualification) who has been exclusively engaged for a series of years in the treatment of the various functional disorders of the nervous and reproductive system, which, owing to the great discoveries of modern science, are rendered subservient to a rational, simple and easy mode of treatment. At home for consultation daily from ten till two, and

from six till eight, either personally of by letter 37 Bedford square, London, England. Patients residing in the Colonies can be successfully treated by correspondence, and remedies can be for warded in secresy and safety to any address. "SELF-PRESERVATION"

may be had of the undermentioned Agents, price 25 cents; free by post, 30 cents:—

sellers: DNEY, C. B.—Mr. J. P. Ward, News Office. CHARLOTTETOWN, P. E. I. - Mr. J. Ings. Islande Office. Charlottetown, Nov 4, 1863.

ADVICE

PARMERS OF P. E. ISLAND. the Season for Harvest operations is approach as the Crops promise to be unusually abusing signed begs to remind FARRERS throughout

A REW Superior Steel Engravings just received at LARD'S HARVIE'S.

Minny's Celebrated and Wonderful LARD'S HARVIE'S.

Mov. 28, 186,

DR. BRIDGES PATENT FOOD and starveling plants of a poor soil have not sufficient root or leaf freely to avail themselves of the liberal stores of nature. Hence, though strictly organic manures may not be so important to plants as those which supply the material of the inorganic part, they are still of great value.

THE BLESSED BABY

WHAT PURCH SAYS ARGET IT.

The London Pench has the following:

Person Bary's Cotar Cincular. The great satis
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Food is presentantly suited in the food of the form the same in the case of second of the same in the control of the material of the same in the control of the same in the control of the same in the case of the same in the case of the same in the control of the control of the same in the control of the sa

Mixed in Heef Ics, Mix, or any other floid, the Patent Food is presentionally solicial to Invail to from its wholesome and strength ming qualities. It is a real blessing, and from its remarkable chapters are solicing to the solicing and from its remarkable chapters are solicing to the solicing and money in the first of the agriculturalists of this Island NOW is the time to scare them. The indicates are solicing to the solicing and they would be in great demand, ordered a considerable number of them for the use of the farmers of this Island but could not get anyon, then built be required, which he is into the solicing of the solicing and but could not get anyon, then built be required, which he is into the solicing of the solicing and but could not get anyon, then built be required, which he is the solicing of the solicing and but could not get anyon the check of night.

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THE LONDON AND LANCASHIRE FIRE AND LIFE

INSURANCE COMPANY

HAVING A LARGE PAID UP CAPITAL,

ACCEPT ALL CLASSES OF RISKS,

At Reasonable Rates of Premium.

CHARLES YOUNG, Agen

October 19, 1864.

A FINE CHANCE FOR SPECULATORS

ENTERPRISING MEN!

THE undersigned has been instructed by the Owners to offer for SALE, or to RENT, several valuable FREEHOLD and LEASE HOLD PROPERTIES, and FARMS, in BELPANT and otherparts of the Island, in good cultivation, well wooded, and possessing other advantages; and for which good and valid it thes, and immediate possession can be other.

well wooded, and possessing other advantages; and for which good and valid titles, and immediate possession can be given.

Also, four LOTS, bung the residue of thirteen Building Lots, (the other nine having been sold the present Season) in that most advantageous mercantile situation known as "SUMMER HILL," adjoining MONTAGUE BRIDGE, teamiles from Georgetown, where close to 150,000 bushels of Produce are annually shipped, and nearly all paid or in Cash. A mericans and other speculators purchase here and ash; for Great Britain, the United States, Sc.

A number of Stores, Whirfs, a Meeting House, Post Office, and Temperance Society have been established for some time; with many Grist and Suce and United Mills in the vicinity; where also any quantity of all kinds lumber can be had in trade at low rates. "Suimme Hill is" the only Freehold Property for sale in the place which renders it most desir able for the above class of artizans now so much wanted in this rising town.

A STORE and DWELLING on it, capable of holding 15,000 bushels produce, with a double Wharf and site for a Lime Kiln, will be sold or leased on reasonable terms.

Plans, particulars or any other information can be obtained by calling at the office of Messrs. Barl & Son, Land Surveyors, Charlotteown, Reference can also be had from W. Sanderson, F. P. Norton, Thos. Annear, Georgetown; Jas. Broderick, Campbelton, Lot 4; F. W. Hughes, Examiner Office, Charlottetown, and to the subscriber at Owell, who is also Agent for the sale of Marinay's Mio Wing Marchine, the celebrated Yarmouth COOKING STOVE, and also for the falling Mills of Messrs. Bourse, Mill View, the Edubic class.

Et C. H. A. E. D. J. C. L. A. E. K. E.

Renfrew House, GREAT GEORGE STREET, A LARGE STOCK

General Merchandize,

and a variety of other Goods. GROCERIES - Tea, (warranted good, HARDWARE—Nails, Plough-mounting,

We respectfully requests call from Fown and Country ayers, feeling satisfied of our ability to give them tisfaction. We may observe that, with a view to obsatisfaction. We may observe that, with a tree shall tain that paironage so necessary to success, we shall allow our customers such goods only as we can warrant,

QUEEN STREET, Took and CHARLOTTETOWN,
USF TIX and Zing Water Spours, Shove Pives, and Tix
Water constantly on band. Stoves litted up and repaired.

\*a\* All orders promptly attended to.
Oct. 17, 1864.

Butler's Rosemary Hair Cleaner. N elegant preparation for the Toilet and Nursery, possessing, in the highest degree, the property of re-ving Seurf and Dandruff from the Head, and by its invi-W. R. WATSON

City Drug Store, Nov. 23, 1864. Bibles and Testaments. HURCH SERVICES, Psalm Books, Wesleyan Hyns Dooks, Psalmists, Sc., Sc. A large scripty for sales LARD & HARVIE'S.

IN SEASON!

Winter is coming! THE SUBSCRIBER has on hand a Supply of sto

READY-MADE CLOTHING, ntable for Fail and Winter wear, consisting of OVER COATS, in Pilot and Seal Cloths, VER COATS, in Flack and Fancy Docakins;
VESTS, in Homespau. Black Cloth and Fancy Docaki.
The above having been manufactured under the subset town superintendence, he can with confidence recent them to the public for their numaritary and can see. The inspection of Farmers, Mechanics and Labin particularly invited before purchasing claywhere.

DOCTOR. HOLLOWAY'S PILLS. THIS great Household Medicine ranks among the feeding necessaries of life. It is well known to the world-that it cures many complaints other remedies cannot reach shat fact is as well established as that the sun lights the world-

Disorders of the Liver and Stomach Comprising:

I.ADIES' DRESS GOODS,
in all the new styles.

Wincies, Coburgs, Lustres, &c.,
Mantles, Shawls, Bonnets, Hats, Feathers,
Flowers, Gloves, Hosiery, &c.
Grey, White and Printed Cottons, Shirtings, Tickings, Osnaburgs, Denims, &c., &c.

Rode, White, Blue, and Fancy FLAN

| Bost persons will, at zone, period of their itives, stomach or bowels, which if not quickly removed, frequently settics into a dangerous illness. It is well known in India, and other tropical climates, that Holloway's Pills are the only remedy that can be relied on in such cases. Almost every soldier abroad carries a box of them in his knapsack. In England most persons with a zone period of their itives, stomach or bowels, are out of order, and that they need we physician.

Weakness and Dobility.

Such as suffer from weakness, or debility, and these whe feel want of energy, should at once have recourse to these

ings, Tickings, Osnaburgs, Denims, &c., &c.

Red. White, Blue, and Fancy FLANNELS, Serges, &c.

Black Cloths, Colored and Black Does, Fancy Tweeds,
Heavy Coatings, Fine Melton do., Clothing, Under
do., White Cotton Shirts, Fancy Flannel do.
Collars, Ties, Fur Caps, (some very choice). Felt
and Tweed Hats, Mens' and Boys' Cloth Caps. &c.
A large stock of Ladies: Fashionable FURS, Sontags,
Hoods, Skulefons, Skirts and Shirtings &c.
Men's, Mrs. and Children's

Weakness and Debility.

Such as suffer from weakness, or debility, and these who
feel want of energy, should at once have recourse to these
Pills, as they immediately purify the blood, and acting upon
the main-spring of life, give strength and vigor to the system.
To young parson entering into womanhood, with a deranges
ment of the functions, and to mothers at the turn of life, these
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Such as suffer from weakness, or debility, and these who
the want of the wind as the property of the water of the main-spring of life, as they immediately purify the blood, and acting upon
the main-spring of life, spread the main-spring of life, which ensures as the turn of life, these
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All young children should have administered to these, from time to time, a few doses of these Pills, which will pushfy their blood, and enable them to pass safely through the different disorders incidental to children, such as measles, hooping-cough, cowpock, and other infantile diseases. There Pills are as harmless in this, nature, as not to injure the most delicate constitution, and are therefore more peculiarly allapted. Lropsy.

Hundreds are cured yearly by the use of these Pills con-jointly with the Ointment, which should be rubbed very bountifully into the parts affected.

Derangement of the Kidneys. that he has just received an invoice of his Stock of

Manny's Celebrated and Wonderful

MOWING & REAPING MACHINES,
which save immense time, labor and money to those who use team, as is proved by the well-established face that they will team, as is proved by the well-established face that they will team, as is proved by the well-established face that they will team, as is proved by the well-established face that they will team to save his crops four or five weeks sooner, consider a Farmer to save his crops four or five weeks sooner, which is a farmer to save his crops four or five weeks sooner, consider a farmer to save his crops four or five weeks sooner, consider a farmer to save his crops four or five weeks sooner, consider a farmer to save his crops four or five weeks sooner.

> Are the sources of the deadliest mainties. Their effect is vitiate all the fluids of the body, and to send a poisoned warn through all the channels of circulation. Now what to vitiate all the fluids of the body, and to send a poisoned stream through all the channels of circulation. Now what is the operation of the Pills? They cleanse the bowels, #2 gulate the liver, bring the relaxed or irritated atomage into a natural condition, and acting through the secretive organs to on the blood itself, change the state of the system from sickness to health, by exercising a simultaneous and wholes some effect upon all its parts and functions. Complaints of Females.

Disorders of the Stomach

Bilious Affections.

The quantity and quality of the bile are of vital importa-ance to health. Upon the liver, the gland which secretes this duit so necessary for digestion, the Pills operate specifically infallibly re-diffuse its irregularities, and effectually caring jaundice, bilious remittants, and all the varieties of discusse generated by an unnatural condition of that organ, Holloway's Pills are the best remedy known for the fol-

| Ague Debility Jaundice Secondary & Secondary & Secondary & Dropsy Liver Com- tom's plaints Dropsy plaints Tic-Bonlou Tumprs/ Ulcers the 4kin 10 gulatities Rheumatism Vendral Aff | ym              |
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