

Agriculture, &c.,

SELECTION AND CHANGE OF SEED.

This is a matter of primary importance to the farmer, for however well he may manure and cultivate his land his labor will be but thrown away if he neglects to obtain clean and sound seed of the most approved varieties, of whatever crop he intends to grow. It is the opinion of many practical men, that the crops of most kinds of grain will deteriorate when confined to selection of seed grown on the same farm, or even the same region of country, for many years in succession. Others maintain that by always selecting the best seed from the crops grown on only the farm, and taking particular care to have such as is plump and well matured, the quality will improve from year to year. We think there is truth on both sides. We have known a farmer to sell off the best of his grain and reserve that of inferior quality for seed, remarking that, small as it was, it would grow, and that, he thought all that was necessary. Such an idea is a common but an erroneous one; as, although a plant will be produced from inferior seed, it will be wanting in the healthful vigour that is the characteristic of one grown from a plump and well-developed seed, which contains not only a large and strong germ, but also a full amount of the plant food requisite to support that germ until the young rootlets can eliminate food from the soil for the support of the plant.

It is the want of a proper appreciation of this fact that leads many to imagine that a change of seed, even between near neighbours, is of great value.

That, a farmer who does not take the trouble to select his seed wheat from the portion of his crop when growing, and to separate and reserve it for future use, or who never frees his seed from the presence of chaff, cockles, or other noxious weeds before sowing, finds a great advantage in obtaining seed of the same variety from a neighbour who has the reputation of growing good crops, and who has a nice, plump, clean sample of seed grain for sale.

In such a case, the advantage gained is ascribed to change, when a reality it is due to selection.

But, on the other hand, varieties of grain, grasses, &c., have originated, or become common in one part of the country, and their introduction to another portion of the same or an adjoining country, proves of signal advantage to the cultivator of the soil, for a time at least. A farmer who takes an agricultural journal often reads in it an account of some new variety of grain, as yet unknown, except in some distant locality. He sends for a small sample, perhaps a few bushels, sows it, and soon discovers that it possesses some quality that gives it superior advantages over the varieties that have usually been grown in his neighbourhood. His neighbours find out this fact, and then comes a rush to him with, "Please let me have some seed of that new kind of wheat you grew last year." It is just here that we find the benefit of change, which is the discarding of one variety, for the purpose of giving place to another and better variety of the same article, and it would only be fair that the person who introduces and tests the qualities of any new variety of cereal should have a sort of patient right to make something out of his enterprise and outlay, by charging a higher price for the seed he grows than the ordinary price of the commonly grown sorts of the same article.—*Canada Farmer.*

LIVE STOCK IN WINTER.

Next in importance to the supply of a sufficient amount of nutritious food, we should place, in a climate like ours, the proper sheltering of animals, a matter in some instances almost wholly neglected, and in most but very insufficiently regarded. This condition does not necessarily involve, as some no doubt will at first imagine, expensive buildings, which in a new country only few comparatively can obtain. A little thought will readily suggest to any man of ordinary aptitude, inexpensive artifices for protecting cattle against the inclemency of the weather. The chief thing is to keep them dry and free from cold draughts. In this way their comfort is not only promoted, but also their growth and strength; and these advantages are gained with a less consumption of food than would be required under opposite conditions. It has been proved by the physiological chemist that animal heat, or the temperature of the body, is sustained by a sort of combustion which a portion of the food undergoes by the action of oxygen in the living organism. The more exposed, therefore, an animal is to wet and cold, the more food it requires to keep up the natural heat of its body, and to repair its waste, or increase its size and weight. In practice, unhappily, this important fact is sadly neglected in reference to all classes of farm animals, the horse even in many instances forming no exception.

Regularity and System in feeding are of much importance. A smaller amount of food, given with regularity, will be more beneficial than a larger quantity supplied in a contrary manner. As farm stock in winter are in this country wholly dependent on the care and skill of man for their supply of food, this is a matter of very great moment. Animals accustomed to be regularly fed, have an unmistakable faculty of making their wants known when their meals are retarded; and the squealing of the pig is a remonstrance against the neglect of his careless master. This principle applies with still greater force to the feeding of fattening stock, which require to be kept as quiet as possible, as any nervous irritation occasioned either by irregularity of feeding or any other cause, injuriously affects the digestive and assimilating processes,

and consequently retards the ripening of the animal. Further, a regular supply of wholesome water is of equal importance, especially to animals that chiefly subsist on dry food. There is too much reason to fear that they sometimes suffer greatly in this country, both in winter and summer, for want of a regular supply of this necessary element of life.

A mixed dietary, consisting of different kinds of food, is as necessary and beneficial to the domesticated animals as it is to man. Without referring to physiological reasons and the results of carefully conducted experiments, experience and common sense have long since taught the farmer, that animals generally do not thrive so well when rigidly kept on one particular kind of food. It has also been found from experience that it is beneficial to alter occasionally the condition in which the same species of food is given to stock; hence the chaffing, boiling, and steaming have of late been extensively employed, with results unquestionably beneficial. The thin slicing of turnips was considered, years ago, a great improvement on the former condition in which that valuable root was fed to cattle and sheep; but of late the pulper has been introduced for reducing turnips to a fine, soft mass, intermixed with chaff or cut hay and straw, and occasionally with corn, barley or linseed meal; a mixture possessing many economical and feeding advantages.—*Id.*

MESSENGER ALMANACK.

From February 7th, to February 20th, 1869.

Day	SUN.	MOON.	HIGH WATER AT
Wk.	Rises.	Sets.	Halifax. Windsor.
7 SU.	7 16	5 19	4 28 4 25
8 M.	7 14	5 14	5 17 5 18
9 Tu.	7 13	5 15	6 6 6 12
10 W.	7 12	5 16	6 44 6 19
11 Th.	7 11	5 17	7 17 6 58
12 F.	7 9	5 19	7 47 6 31
13 S.	7 8	5 20	8 48 7 14
14 SU.	7 7	5 21	8 44 8 12
15 M.	7 5	5 23	9 10 9 10
16 Tu.	7 4	5 24	9 41 9 6
17 W.	7 3	5 25	10 11 11 6
18 Th.	7 1	5 27	10 39 11 42
19 F.	7 0	5 29	11 10 0 7
20 S.	7 0	5 31	11 54 1 12

For the time of HIGH WATER at Pictou, Pugwash, Wall, and Yarmouth add 2 hours to the time at Halifax.
For the time of HIGH WATER at Annapolis, Digby, &c., and at St. J. in N.B., add 3 hours to the time at Halifax.
The time of HIGH WATER at Windsor is also the time at Parrabro, Horton, Cornwallis, Truro, &c.
For the LENGTH OF DAY double the time of the sun's setting.

NOVA SCOTIA RAILWAY.

WINTER ARRANGEMENT.

ON and after MONDAY, 4th January, 1869, Trains will be run as follows:—

Carrying Passengers, Mails and through Freight,	Leave Halifax 7.15 a.m.	Arrive at Pictou 2.10 p.m.
Leave Halifax 2.30 p.m.	Arrive at Truro 7.00 p.m.	Leave Truro 7.30 a.m.
Arrive at Halifax 11.20 a.m.	Leave Pictou 11.25 a.m.	Arrive at Halifax 6.15 p.m.

WINDSOR BRANCH.

Carrying Passengers, Mails and through Freight,	Leave Halifax 8.00 a.m.	Arrive at Windsor 10.40 a.m.
Leave Halifax 3.30 p.m.	Arrive at Windsor 6.55 p.m.	Leave Windsor 7.50 a.m.
Arrive at Halifax 11.20 a.m.	Leave Windsor 4.15 p.m.	Arrive at Halifax 6.55 p.m.

Jan. 6. 31.

CHIPMAN & RUMSEY,

Produce and General Commission Merchants.

No 5 DUKE STREET,

Near Fishwick's Express Office, HALIFAX.

PARTICULAR interest taken in the sale of all kinds of COUNTRY PRODUCE, and consignments respectfully solicited. Place of business central, and ample facility for the storage of goods. City References: E. W. CHIPMAN & Co. Sept. 23.

GREAT CLOSING SALE OF English and American BOOTS AND SHOES! AT AND BELOW COST.

THE Subscriber will offer from this date the balance on hand of the above mentioned Goods at

DECIDED BARGAINS!

And will continue the sale until the whole is disposed of.

WHOLESALE BUYERS

Will find in this STOCK, some

Very Cheap Job Lots.

TERMS CASH.

GEORGE S. YATES

22 & 23 George Street, N.B.—This Stock has no reference to Home Manufactured Goods. Feb. 5.

PREMIUM VENETIAN BLINDS.

W. FRASER & SON

HAVING been appointed by the manufacturer of the above celebrated Blinds, sole Agents for Nova Scotia, the public are respectfully invited to call at their Ware Rooms 70 & 72 Barrington Street, Halifax, and examine Samples of different Styles and prices. They are the best and most durable, article in use for Bay Windows, Drawing Rooms, Dining Rooms, Halls, Conservatories, Public Buildings, &c. These Blinds are of different widths of slat, and trimmed with Worsted or Silk, with plain or carved cornice, to suit the taste of purchasers. Oct. 30.

Dr. Burton's Tobacco Antidote.

WARRANTED TO REMOVE ALL DESIRE FOR TOBACCO. It cures the habit and restores the system, possesses great nourishing and strengthening power, is an excellent tonic and appetizer, enables the stomach to digest the heaviest food, makes sleep refreshing, and establishes robust health. Smokers and chewers for sixty years cured. Price Fifty cents per box. An interesting treatise on the injurious effects of tobacco, with lists of testimonials, references, &c., sent gratis. Agents wanted. Address: Dr. T. R. BURTON, Jersey City, N. J.

TESTIMONIAL.

I feel it my duty to testify that Dr. Burton's Tobacco Antidote has given me relief from the habit of smoking tobacco thirty years, and I also have been a slave to the foul weed ten years, and have both been permanently cured by using two boxes of Dr. Burton's Antidote. L. H. HURN.

FROM THE U. S. TREASURY, Secretary's Office.—Please send a supply of the Antidote. The one received has done me much good. O. T. EDGAR.

FROM NEW HAMPSHIRE State Prison.—Gentlemen of Influence here having been cured of the appetite for tobacco by using Dr. Burton's Antidote, we desire a supply for the prisoners of this institution. JOSEPH MAYO, Warden of N. H. State Prison.

A HANSEN'S TESTIMONY.—Dr. Burton's Antidote for Tobacco has completely cured me of the habit of smoking. W. M. HANSEN, 1st Nat. Bank, New Albany, Ind.

A CROFTON'S TESTIMONY.—ONE BOX OF ANTIDOTE cured my brother and myself. IT NEVER FAILS. Rev. J. W. CROFTON, Colley's Station, Pa.

FROM THE HOUSE HEADQUARTERS, LYNN, MASS.—I have gained thirty-five pounds of flesh in three months by using Dr. Burton's Antidote, and all desire for tobacco is removed. Wm. A. WATSON.

FROM THE SOUTHERN HOME JOURNAL.—Dr. Burton's Antidote has cured me of the habit of smoking tobacco, and I take pleasure in recommending it to all our readers. T. Y. SLATER, Editor.

FOR SALE BY ALL DRUGGISTS. (Trademark X Copyrighted.)

Nov. 18.

THE BRITISH AMERICAN BOOK AND TRACT SOCIETY.

66 Granville Street, Halifax.

Keep constantly on hand a good supply of STANDARD RELIGIOUS, THEOLOGICAL AND SCHOOL PUBLICATIONS.

Including those of the LONDON, AMERICAN, STIRLING and DUBLIN TRACT SOCIETIES, with selections from leading Publishers in Great Britain and the United States.

COMMENTARIES by Lange, Jacobus, Barnes, Plummer (on the Psalms), Ripley, Hodge, Alexander, Scott, and Henry; Valuable Helps for S. S. Teachers, such as Pardee's S. S. Index, House's S. S. Hand Book, Todd's S. S. Teacher, S. S. Times (an excellent weekly Paper, \$1.35 a year), &c. A liberal discount to Clergymen and S. Schools.

N. B. The Society have recently purchased the Stock and effects of the Religious Book and Tract Society on Barrington St. Both Depositories (now united) are removed to

66 Granville Street,

Opposite the Province Building. S. School Papers, Religious Magazines, &c., furnished by the Society, as formerly by the Depository on Barrington Street.

Orders addressed to REV. A. McBEAN, Secretary of the Society, Halifax, will be promptly attended to. Dec. 2.

Floor Oil Cloth.

JUST received ex "Forest King" from London and "Rosenath" from Glasgow, our Spring supply of English and Scotch Floor Oil Cloth,

which can be cut to any size or shape.

Also a large assortment of

Iron Bedsteads and Stretchers

Children's Bedsteads, Bedding of every description, Superior Feather Beds, Best Goose Feathers, and warranted free from unpleasant smell.

ONE TON GOOSE FEATHERS,

in bags.

Three hundred sets of

NARROW SLATS & OTHER VENETIAN BLINDS

GORDON & KEITH.

Orders from the Country promptly executed May 20.

BELLS! BELLS! BELLS!

Great Improvement in quality of Tone and Durability.

ALSO,

GREAT REDUCTION IN PRICE.

OF OUR

ENGLISH BRONZE, CAST STEEL, AND CARBURET COMPOSITION BELLS.

HARRISON & DAVIS, Founders,

65 Warren Street, New York.

MANUFACTURE TO ORDER.

Chimes of Bells of any number or key. Musical Hand Bells in sets, from 1 to 7 octaves. Alarm Bells in Bronze, Silver, or Aluminium Bronze.

Alarm Bells of any weight.

We keep constantly on hand a large assortment of Church and other Bells.

Carbureted Composition Bells at 15 cents per pound. This is the cheapest Bell now in the market.

All our Bells that are mounted with our Patent Mountings are warranted for Two years. The warranties of all other Bell-founders is for one year only.

We have the only reliable Self-rotary Yoke ever applied to the ringing of Bells.

Our best Bronze Bells are made from the best English-Bronze Metal, composed of pure Copper and Tin (without alloy) or we forfeit the price of the Bell.

For particulars send for Circular to

HARRISON & DAVIS,

65 WARREN STREET, NEW YORK.

Sept. 23.

Hoop Skirts, &c.

Just Received at the Liverpool House

127 GRANVILLE STREET,

A CHOICE ASSORTMENT of Ladies', Misses and Children's HOOP SKIRTS, Newest Styles Canadian manufacture, very cheap.

PAPER COLLARS AND CUFFS,

New Brunswick make, together with a full Stock of

STAPLE AND FANCY DRY GOODS,

Adapted to the City and Country trade, which will be sold on the most reasonable terms.

Wholesale and Retail.

WETMORE & McCULLOCH.

Oct. 16.

LADIES. (representing all societies, classes and ages)

Clergymen, Lawyers, Editors, Physicians, Merchants, Vocalists,

and indeed representatives from all orders, and from every business pursuit, have been benefited or cured by FELLOWS' COMPOUND SYRUP OF HYPOPHOSPHITES.

Amongst the diseases overcome by the use of this remedy, are the following:—

Chronic Constipation, Chronic Dyspepsia,

Chronic Asthma, Chronic Bronchitis,

Chronic Consumption, Chronic Paralysis,

Chronic Laryngitis, Chronic Diarrhoea,

Nervous Debility, Melancholy.

Debility resulting from typhoid and other low fevers, Diphtheritic Prostration, Hysteria, Hypochondria, Amenorrhoea, Chlorosis, Anemia, Leucorrhoea, Nervous Excitability, Morasmus, or Wasting of the Muscles, Aphonia, or Loss of Voice, Amaurosis, or Loss of Vision, Chorea, or St. Vitus' Dance, Sluggishness of the Liver, Interrupted and Feeble Action of the Heart, Suffocating Feelings caused by mucous obstructions of the Lungs and Air Passages leading thereto, and Debility from various causes, many of which appeared hopeless.

For sale by Apothecaries at \$1.50 per Bottle, or six for \$7.50.

Oct. 28.

FELLOWS' COMPOUND SYRUP

OF

HYPOPHOSPHITES

\$1.50 per bottle, 6 bottles for \$7.50.

FOR SALE BY

JOHN K. BENT,

124 GRANVILLE STREET,

HALIFAX, N. S.

Wholesale and Retail Dealer in

Drugs, Medicines, Chemicals, FANCY AND TOILET ARTICLES,

SPONGES, BRUSHES, PERFUMERY, &

Garden Seeds, Dye Stuffs, &c.

Physicians' Prescriptions carefully compounded, and orders answered with care and despatch.

Farmers and Physicians from the country will find my stock of Medicines complete, warranted genuine, and of the best quality. Jan. 13.



CUSTOMS DEPARTMENT,

OTTAWA, 11th December, 1868.

Authorised discount on American Invoices until further notice: 25 per cent.

R. S. M. BOUCHETTE,

Commissioner of Customs.

The above is the only notice to appear in newspapers authorized to copy. Dec. 30.

NOTICE.

THE business heretofore conducted under the name

and style of JAMES THOMAS & SONS, Hat, Cap & Fur Dealers, in consequence of the retirement of Mr. James Thomas, will in future, be conducted by JOHN R. THOMAS & PETER E. McKEERROW, at the old stand, corner of Barrington and Sackville Streets.

All persons indebted to the late firm are requested to make immediate payment, and parties having claims against the firm are requested to render the same for adjustment.

The Subscribers beg to return their thanks to the general public for past favors, and respectfully solicit for the new firm a continuance of the same.

JAMES THOMAS,

J. R. THOMAS,

P. E. McKEERROW.

Halifax, 1st January, 1869.

Jan. 6.

WRIGHT'S

Patent Sectional Spring Bed!

THE Subscribers having been appointed Sole Agents 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 the 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 28.

GORDON & KEITH

The "Christian Messenger"

is published every Wednesday, and will be sent to any address in the City or elsewhere on payment of Two Dollars a year in advance within the Dominion of Canada. Subscribers in other countries must send in addition thereto, at the rate of five cents per quarter for prepaying the postage. If payment is delayed over three months, \$2.50; if over six months \$3.00. ADVERTISEMENTS inserted at the usual rates.

STEPHEN SILDEN, Proprietor.

Office No. 59 Granville Street, Halifax, N. S.

Printing in general done at the Messenger Office with neatness and despatch.