THE FARM.

oots

For

his

his

thus

eed.

the

slope

a, or

feet.

e in

woke

ation

wept

him

harp

er a

oting

ming

eping

event

He

mph-

never

ay at

riding

t. It

ations

ew by

had

great

that

oward

opped

h had

umped

e him

ake up

ht put

him,

pale,

-pane,

er who

those

s tired

eached

umped

ed him

, what

ut no

t, than

out his

g, half

i some

ap and

but he

child

other's

Sport,'

olmates

ross be-

neanest

e ugly,

good to

tell of

itable-

heart

en you

all the

d carry

or else

pardon

If any.

t Mary

gl" call

or your

habit.—

a few

im from

pleasure

it where

bacco to

the wo-

locality

be indi-

l notice

ve been

ances of

ify their

and two

the sur-

The two

ape May

a, Mich.

life with

ing what

owerless

through

he street

ver dod-

treet for

-Phillips

pretty

ice.

had, a sunny window of the house will do. Let the boxes be eighteen by twenty-four inches, three inches deep, made of one half inch boards. After the seed sown in boxes (say 15th of February) are up, and about three iuches high, it is necessary to transplant them in other boxes, like those they were sown in, about one and a half to two inches apart every way, or put one plant in each pot, and pots close together in boxes, treating the same as if planted in boxes. Pots are better than boxes. About one week or ten days before planting in the garden they must be hardened off by exposing gradually, night and day, in the open air. Set out plants from the first of May. Plant Wakefield twenty inches in rows and Early Summer the same; the other kinds twenty-four inches-The rows should be thirty inches apart. Early radish, lettuce, spinach, etc., can be sown between. the cabbage rows, and be out before the cabbage needs all the room. After cabbage, celery can be grown on the same ground.

not been successful as a rule, and

it is better to decide in favor of hens for sitters. A home-made incumbator, heated by means of stable manure, has been found to work well, and proves advantageous after the eggs are well advanced. My plan of an incubator would be to date two or three sittings of eggs, total for 1881. according to the size. After it is been incubated beneath the hens exclusive of the amounts expended and are well up to hatching) on the in the preparation of the roadbeds manure, burying them about half, on which tracks are not yet laid .as they lie on their sides. After Scientific American. this is completed, cover the whole with sheepskins, the wool side down, and give the hens fresh eggs. It is not necessary to turn the eggs each day. The notion that a hen does this has been exploded. The eggs should be watched daily, to see that the proper heat is kept up, and to ascertain if any of the eggs are chipped. Place the chip sides uppermost, so that the young bird may have the advantages of the air when first breaking through. The chick does not breathe until it breaks the shell. Keep it well covered in order to retain the heat, which it will do if the material used is in the proper state of fermentation. There is seldom any loss in hatching, and the chicks are strong and hardy. After hatching the incubator may be used as a mother, or the chicks may be brooded under hens, as suits the convenience of the keeper.—Globe.

FOWLS,-In the face of all that has been done to improve the breeds of poultry, it cannot be denied that the common fowl is still the favorite with farmers. This is due to several causes. The common fowl receives but little attention, and from long usage to exposure has become instinctively habituated to the farms that contain poultry as a custom rather than for profit. The improved breeds are bred for certain qualities, and unless the conditions are favorable, do not come up to popular expectation. If placed under adverse circumstances they disappoint when compared with the common fowls, but it is due more to failure on the part of the improved breeds than to merit in the common kind. No common fowl ever lived that can compete for eggs with the Leghorn blood. There is another point in favor of

THE PREFERENCE FOR COMMON

that a crossed fowl has greater strength and vigor than a pure-TO GROW EARLY CABBAGE.—Sow bred one. The crossed fowl is the seeds of the kinds you wish to better adapted to general purposes, grow in February or first of March, and while they are not bred for in small shallow boxes in forcing special results, experience teaches pit, hot-bed, or, if these are not to be the average farmer, who has no time to bestow on them, that they suit him better than any other. He supposes that they pay better because he has not given the others a fair trial.

SCIENCE.

A French savant, M. Regnard, has been lately trying the effect of If you wish to be well, as you do, I've no a "blood diet" on lambs. Three lambs, which for some unexplained cause had been abandoned by their mothers, were fed on "powdered blood" with the most gratifying results. The lambs increased in size in the most marvelous fashion, and attained unusual proportions for their age. The coats of wool also became double in thickness. Encouraged by his success with the lambs, M. Regnard is now feeding some calves on blood.

A LARGE EXCAVATOR. — The Northern Pacific Railway Company are using an excavator capable of handling from 100 to 1,500 cubic yards of earth a day. It is worked by two 40 horse power hoisting ARTIFICIAL INCUBATION—A HOME engines, two 20 horse power MADE INCUBATOR-Incubators have swinging engines, and a double rotary engine for forcing the scoop into the bank. The excavator is self propelling, and when in working condition is 50 feet long, Zeal will help a good cause, and the good 10 feet wide, and 19 feet high.

The Railway Age of Dec 28 con procure a large box (one that will tains a table showing that the numhold three or four corn-basketfuls of ber of miles of main track laid in well-heated stable manure,) and the United States during the past place it in a warm room, where the year was 10,821, on 316 lines, in temperature is considerably above thirty-four States and Territories. freezing. Fill the box up pretty It is thought that full returns will well, and pack manure on the sides raise the total to 11,000 miles, up to the top. This will accommo- which is 1,500 miles more than the

The capital invested during the finished, place the eggs (that have | year is estimated at \$270,000,000,

> FOR FENCE POSTS.—A writer in an exchange says: "I discovered many years ago that wood could be made to last longer than iron in the ground. but thought the process so simple that it was not well to make a stir about it. I would as soon have poplar, basswood, or ash as any other kind of timber for fence posts. I have taken out basswood posts after having been set seven years that were as sound when taken out as when first put in the ground. Time and weather seemed to have no effect on them. The posts can be prepared for less than two cents apiece. This is the recipe: Take boiled linsed oil and stir in pulverized coal to the consistency of paint. Put a coat of this over the timber, and there is not a man that will live to see it

THE TELEPHONE FORESHADOWED. —Leonardo de Vinci said: "When one is upon a lake, if he puts the opening of a trumpet into the water and holds the point of the tube to his ear, he can perceive whether ships are moving at a remote distance; the same thing occurs if he thrust the tube into the ground, for then, also, he will hear what is going on far away,"

THE LASTING OF WOOD .- It is stated that some kinds of woods, although of great durability in themselves, act upon each other to their mutual destruction. Experiments with cypress and walnut and cypress and cedar, prove that they will rot each other when joined together, but on separation the decay will cease, sound for a long period.

A LARGE BAR OF GOLD .- The the majority of common fowls, Bank of California lately received a which is that many of them are of bar of gold weighing 511 1-2 pounds the very best blood, being crosses troy, and valued at \$114,000. Its of several breeds. There are a length was 15 inches, width 6 inches, mixed, motley crowd, and, on any depth 7 inches. It was shipped by farm we may visit there crops out the North Bloomfield Hydraulic Mithe signs of Brahma, Cochin, Leg- ning Company, of Smartsville, Nehorn, Hamburg, or Polish blood. vada County, California, and is said This is one of the causes of success, to have been the largest gold bar for experience has demonstrated ever cast in the United States.

VARIETIES.

An Alphabet of Health Rules published for general circulation by the Ladies' Sanitary Association of London.

As soon as you are up, shake blanket and Better be without shoes than sit with wet

Children, if healthy, are active, not still. Damp beds and damp clothes will both make

you ill. Eat slowly, and always chew your food

Freshen the air in the house where you dwell

Garments must never be made tight; Homes will be healthy if airy and light. doubt.

Just open the windows before you go out : Keep your room always tidy and clean, Let dust on the furniture never be seen. Much illness is caused by the want of pure

Now to open your windows be ever your

Old rags and old rubbish should never be People should see that their floors are well

Quick motion in children is healthy and Remember the young cannot thrive without

See that the cistern is clean to the brim; Take care that your dress is all tidy and

Use your nose to find out if there be a bad

Very sad are the fevers that come in its Walk as much as you can without feeling

Xerxes could walk full many a league. Your health is your wealth, which wisdom

you will reap.

Southey says, in one of his letters, "I have told you of the Spaniard who always puts on his spectacles when about to eat cherries, that they might look bigger and more tempting. In like manner, I make the most of my enjoyments, and pack away my troubles in as small a compass as I can." Not a bad thought for the new year!

The title of the lesson was, "The Rich Young Man," and the golden text was One thing thou lackest." A Sunday-school teacher asked a little tot to repeat the two, and looking earnestly into the young lady's face the child said :- "One thing thou lackest -A rich young man."

Ice is water gone to sleep.

Chaos is a great pile of nothing and no place to put it in.

A little boy running along the street struck his toe and fell on the ground "Never mind, my little fellow," said a bystander; "you won't feel the pain to-morrow." Then he blubbered out, "I won't cry to-morrow either."

A quack doctor heads his advertisment: "Ho, all ye dyspeptics!" That's just what dyspeptics won't do. If they would all hoe vigorously, they might not need any medicine.

Six-year old Fannie had eaten heartily, finishing her dessert with a full supply of ice-cream. Her mixture of sensations were thus expressed: "Oh dear, I'm so tight I can't shiver!"

The Danbury News, referring to the fact that a man ninety years old in the eastern part of the State walked eight miles to pay his newspaper subscription, thinks that some people elsewhere, judging from their delay, are waiting till they are also ninety years old before they pay for their papers.

"What is a pessimist, papa?" asked a bright lad. "A pessimist, my son," said the old man, "is one who would find fault with his seat in heaven if he ever got there."

To be a good swimmer the mouth should always be kept shut. Women are seldom good swimmers.

Teacher, 'Suppose that you have and the timbers remain perfectly two sticks of candy and your big brother gives you two more, how many have you got then?' Little boy (shaking his head): 'You don't know him; he aint that kind of a boy.'

> At a school examination in Scotland, a little girl was asked, 'Why did the Israelites make a golden calf!' she answered, 'Because they hadna as muckle siller (money) as would mak a coo' (cow).

Who says it is unhealthy to sleep in feathers? Look at the spring chicken and see how tough he is.



Ayer's Hair Vigor,

FOR RESTORING GRAY HAIR TO ITS NATURAL VITALITY AND COLOR.

It is a most agreeable dressing, which is at once harmless and effectual, for preserving the hair. It restores, with the gloss and freshness of youth, faded or gray, light, and red hair, to a rich brown, or deep black, as may be desired. By its use thin hair is thickened, and baldness often though not always cured. It checks falling of the hair immediately, and causes a new growth in all cases where the glands are not decayed; while to brashy, weak, or otherwise diseased hair, it imparts vitality and strength, and renders it pliable.

The Vigor cleanses the scalp, cures and prevents the formation of dandruff; and, by its cooling, stimulating, and soothing properties, it heals most if not all of the humors and diseases peculiar to the scalp, keeping it cool, clean, and soft, under which conditions diseases of the scalp and hair are impossible.

As a Dressing for Ladies' Hair The Vigor is incomparable. It is colorless, contains neither oil nor dye, and will not soil white cambric. It imparts an agreeable and lasting perfume, and as an article for the toilet it is economical and unsurpassed in its excellence.

Prepared by Dr. J. C. Ayer & Co., Practical and Analytical Chemists, Lowell, Mass.

SOLD BY ALL DRUGGISTS EVERYWHERE. Brown & Webb, Halifax, Wholesale Agents.

For it is sadly too true that thousands

of children are STARVED TO DEATH every year by improper or insufficient food. Remember,

RIDGE'S FOOD

Is all and a great deal more than we have

claimed for it. It is simply a HIGHLY NUTRITIOUS and easily assimilated FOOD, grateful to the most delicate and irritable stomach, and especially adapted for the INFANT and GROWING CHILD. Invalids, Nursing Mothers, and those suffering from INDIGESTION will find on trial that RIDGE'S FOOD FOR INFANTS AND INVALIDS, is all they can desire. It is carefully put up in four sizes.

Constant users will find our No. 4 size (always the most economical size to buy) now much larger than formerly, thus materially lessening the expense. WOOLRICH, Dispensing and Family Chemist, Upper Water St., Depot for Ridges Food, Pick-me-up Bitters, &c., with a well-assorted stock of Pure Drugs.

April 17

Piano Company, FNCTORY OFFICE, TRURO. SALES ROOM, 120 Granville Street Halifax, N. S.

CAPITAL STOCK, \$60,000.

For Sale, Hire, Tuned, Repaired, Exchanged; New for Special Discount to Clergy-

men, Teachers, Churches and Societies. Agents for Henry F. Miller and other first-class PIANOS.

-DEALERS IN-SHEET MUSIC & MUSIC BOOKS.

Anything not in stock will be ordered. The Wonder of the Age!

ORGUINETTES. FIDDLES, FIFES. FLUTES, ACCOR DEONS, CONCERTINAS, &c.

-AT

GATES BROS. Agents wanted.

Horton Academy AND

ACADIA SEMINARY.

The next Term of these Schools will pen on Wednesday, Jan. 10th, 1883. Letters of inquiry and applications for admission should be addressed to the respective Principals, A. W. Amstrong, A. B., and Miss M. E. Graves. Dec. 27.

CIDDER'S PASTILLES Price 28 etc. by ma TOWELL & CO.

Feb. 25.

Paper Hangings WM. GOSSIP'S. UNITED SERVICE

Book & Stationery Warehouse, NO, 103 CRANVILLE ST.,

HALIFAX, N. S.

My importations of

This season are very attractive. They are in time to escape the additional protec-tive duty imposed by the Dominion Gov-ernment, and will be sold at correspondingly low rates.

SOLD WHOLESALE by the bale of four or five hundred rolls, about twenty patterns in a bale, from 6 cts. a roll and upward. Send to

William Gossip.

No. 103 Granville Street, Also just received, a large assortment of Artists' Materials, Oil and Water Colours, &c. Drawing Paper, Canvases, Brushes, &c., &c. March 22.

PIANOFORTES

UNEQUALLED IN Tone, Touch, Workmanship and Durability.

WILLIAM KNABE & CO. Nos. 204 and 206 West Baltimore Street, No. 112 Fifth Avenue, New York.

WHY YOU SHOULD INSURE -IN THE-

UNION MUTUAL INSURANCE

OF PORTLAND, MAINE.

IT IS AN OLD COMPANY, having been established over thirty years. IT HAS PASSED THROUGH EVERY GREAT PANIC since its organization, paying every honest loss without dispute

IT IS A POPULAR COMPANY, hav ing gained an established character for liberality by many years of fair dealing with its policy holders. IT HAS THE ENDORSEMENT of the

highest insurance authorities and the most prominent business and profession al men all over the country, and for all these reasons is entitled to your consideration and respect.

IT IS A PURELY MUTUAL COM PANY, having no stockholders to take lion's share of the profit. Mutual companies never fail. IT HAS OVER THIRTEEN THOU

SAND POLICIES in force, and is there fore sure of a fair average mortality, and cannot be seriously affected by epidemic. INCONTESTIBLE POLICIES! All policies issued after Nov. 16. 1881, are incontestible three years from the date of

the policies for any cause except fraud or misstatement of age. ITS DEFINITE CONTRACT POLICY provides for every contingency, which can occur during its continuance, and is so simple and clear that even a child can

understand it. ITS MAINE LAW EXTENSION is the most just and perfect plan for protecting the interests of the policy-holder ever de-

ACCELERATED ENDOWMENTS! Whenever the reserve upon the policy and the dividend additions thereto, amount to the sum insured, the policy becomes pay able at once as a matured endowment.

Prompt Payment of Death Losses OUR ESTABLISHED RULE is to pay our death claims promptly upon their approval by the loss committee, without waiting the customary ninety days-and without rebate of interest!

JOHN E, DE WITT, President. DANIEL SHARP, Vice President, HENRY D. SMITH, Secretary, NICHOLAS DEGROOT, Assistant Sec. THOS. A. FOSTER, Medical Director,

HALIFAX AGENCY, F. B. K. MARTER, Manager, for Nova Scotia and P. E.Island.

W.R. ANDERSON, Special Agent.



1879—Provincial Exhibition—1879 Fraser & Sons,

82 & 84 Barrington Street, Halifax, N. S. EXHIBITED SQUARE AND UPRIGHT PIANOS,

-And were Awarded-DIPLOMA AND HIGHEST PRIZE

These Pianos were not got up for exhibition, but were our ordinary manufacture. We invite inspection of our instruments; all first class and warranted to give satisfaction. Piano-Fortes, Cabinet and Church Organs Tuned and repaired.

Nov. 5, 72 A WEEK. \$12 a day at home Costly Outfit free.

Address True & Co., Augusta, Maine

CHRISTIAN MESSENGER Printing Office,

69 & 71 GRANVILLE ST.

HALIFAX, N. S. All kinds of

JOB PRINTING

Executed with neatness and despatch. BOOKS,

PAMPHLETS,

CIRCULARS

BILL-HEADS.

POSTERS

Business Cards

Of all kinds.

WEDDING CARDS,

LADIES VISITING CARDS.

TICKETS & LABELS

At reasonable prices.

States, Canada, and Europe, at reduced rates. With our principal Office located in Washington, directly opposite the United States Patent Office, we are able to attend to all Patent Business with greater promptness and despatch and less cost, than other patent attorneys, who are at a distance from Washington, and who have, therefore, to employ "associate attorneys." We make preliminary examinations and furnish opinions as to patentability, free of charge, and all who are interested in new inventions and Patents are invived to send for a copy of our "Guide for obtaining Patents," which is sent free to any address, and contains complete instructions how to obtain Patents, and other valuable matter. We refer to the German-American National Bank, Washington, D. C.; the Royal Swedish, Norwegian, and Danish Legations, at Washington; Hon. Jos. Casey, late Chief Justice, U. S. Court of Claims, to the Officials of the U. S. Patent Office, and to Senators and Members of Congress from every State. Address:

LOUIS BAGGER & CO. Solicitors of Patents and Attorneys-at-Law, LeDroit Building, Washington

Just Published I Walker's Pronouncing Diotionary of the English Language.

CHEAP EDITION for sale by A. & W. MACKINLAY Sept. 21.

Agents for the Christian Messenger.

Advocate Harbor-R. W. Spicer.

NOVA SCOTIA.

Amherst--W. F. Cutten, Esq. Antigonish-T. M. King, Esq. Aylesford Upper—Rev. J. L. Read. Acadia Mines—I. D. Cook. Barrington—Rev. W. H. Richan. Berwick—John M. Parker, Esq. Bridgewater—Wellesley J. Gates.
Bridgetown—Nathan R. Morse.
Brighton, Digby Co—N. R. Westeott
Brookfield—A. J. Leadbetter. Beal's Mountain-John Whitman. Bass River-Robinson Thompson. Caledonia-B. L. Telfer. Chester-Dr. DeWitt. Clements-Jas. E. Potter, Esq. Canning-Jas. S. Whitter, Esq. Canard-J. E. Lockwood. Digby-Rev. Joseph H. Saunders. Digby Neck-Rev. J. C. Morse. DeBert River-Wm. McCully, 4th. Dalhousie East—Thomas A. Wilson. Economy—Josiah Soley. Granville—Wm. E. Armstrong. Guysborough—Christopher Jost, Esq. Greenfield—Robert Harlow. Hantsport—C. I. Margeson, Esq., M. D. Hillsburgh—Nelson Miller, Esq. Hammond's Plains-David Thompson, Esq. Kempt—Joseph D. Masters, Esq. Liverpool—S. T. R. Bill, Esq. Long Island—Isaiah Thurber, Esq. Londonderry, Great Village—Ezra Layton. Lawrencetown, Annapolis Co—Jas. Wheelock. Maccan, River Hebert—Hans Mills. Milton, Queen's—G. Whitfield Freeman, Esq. Mahone Bay—Joseph Ham.
Margaree, C. B.—Lachlen McDonald. Margaretville-H. M. Harris. New Germany-Adam E. Durland. Newport-Wm. H. Knowles. Nictaux-W. A. Morse. New Albany-Daniel Whitman. New Tusket-Henry C. Sabean. New Glasgow-J. F. Morrow. New Ross-James Lantz. North Kingston-Joseph Eaton; Onslow-J. B. McNutt, Esq. Paradise-M. E. Marshall Port Medway—James T. Foster. Pubnico—John F. Larkin. Pugwash—Angus McDonnel Parrsborough—Joseph M. Layton.
Rawdon—John McLearn, Esq.
Locke's Island—X. A. Chipman, Esq.
St. Mary's Bay, Digby Co.—Chas. McNeill, Esq.
Springfield—Isaac McNayr, Esq.
Sydney, North, C. B.—A. G. Musgrave.

Sydney, North, C. B.—A. G. Musgrave.
Sydney Town, C.B.—C. H. Harrington, Esq.
Tremont—John Wheelock, Esq.
Truro—L. J. Walker, Esq.
Upper Wilmot—
Windsor—Andrew P. Shand. Wilmot-Dr. J. Woodbury Wilmot, Canaan Road-Fletcher Wheeleck. Wilmot Mountain—Jas. P. Foster, Esq.
Wolfville—G. V. Rand
Yarmouth—C. W. Sanders.
Do., Deerfield—Rev J. A. Stubbert.
Do., Hebron—Wm. R. Doty.

Do., Ohio-George Crosby, Esq. St. John, N. B.-John F. Marsters, Esq.

PRINCE EDWARD ISLAND. Bedeque-Rev. E. N. Archibaid. Cavendish-Rev. J. B. Woodland. Tryon-Jame B. Leard. Charlottetown—James Desbrisay, Esq. West River—Rev. Malcom Ross. East Point, P. E. 1.—Wm. M. McVane.