384.

with him

ful Kiwi

Majesty.

any him a Turoa.

acts as

esters,

o really

onal en-

ur lives.

ourselves

e rather

back to

a statues

oved hot

. There

house for

the ivy-

myrtle of

sters "_

e lesson

e which

er, when

eliberate

his own

s life, or

will, for

l of God.

gs every

eafter.

rliament

Africa.

of that in "fear-

consists

Kaffirs.

he Boers

they are

enrich

ts by the

uncer-

n are in

sections

is dear

grow in

and eggs

in other

. When

ion than

to buy

a wife.

rried un-

for her.

mony of

onstitut

is com-

appren-

and the

ciate on

. "The

ter than

hey are

e time.

British

natives,

ust be

of the

subjects

have the

hension.

re is not

e whole

blind.

Boston.

nue for

sed, she

the deaf

an write

ng beau-

0, 1884.

ard the

Kinder-

n. They

m. Let

soon.

EMAN.

c simile

there be

the per-

er to ac-

he writ-

e faint-

obstacle

n West-

n-keep-

ht, took

put him

l. The

vote of

ertising,

ottle of

e work.

a little

whiskey

ollowing

er cent.

er cent.

er cent.

er cent.

er cent:

er cent.

ort of a

FARM AND GARDEN.

If rye is kept closely grazed and no seed allowed to form, its roots will live for several years and form a turf, the young leaves of which are eagerly eaten by all kinds of stock.

Horses' feet need especial care during the wet weather of spring. Dry their feet and legs before putting them in the stable. If they are allowed to stand with muddy feet and fetlocks, cracked heels will be the result.

Don't suppose that you can jam the roots of fruit trees into small heles of poor soil, and have them do well. Unless you are willing to de the work thoroughly, and to give them a fertile soil, better not plant fruit trees at all.

MILK FOR YOUNG COLTS .- It is recommended by those who have tried the experiment to give cows milk to young colts to drink instead of water, as it is notorious that mares rarely have sufficient milk for the proper nourishment of their colts. All who have bred colts, whether cart or thoroughbred, cannot fail to notice how soon the youngster begins to eat with its dam any food that is in the manger or crib. If a large supply of milk could be introduced to the young the other food would be lessened and it would avoid eating too much corn or grass or hay-food that is which requires more digestive opea two months old colt is possessed Good cows milk could be sweetened to make it more closely ness. Try it and be convinced. resemble the mare's in taste, for no doubt the quality of mares' milk, like that of asses' is far richer than cows. Milk is the natural food for infant animals, and it is cheaper and better to bring up the young colt or calf or lamb on milk than on any other substance.

HOW MUCH WILL KEEP A HORSE .-A horse weighing from ten to twelve handred pounds will eat about six as of hay, or its equivalent, in a ear. And we suppose the real point to get at is, whether one can keep his horse cheaper on some other product than hay. This is an exceedingly difficult question to answer-it depends so much on circumstances. We shall not attempt to answer it fully at this time, but will say that, in our opinion, three and a half tons of corn-stalks and two and a half tons of corn, would keep a horse a year, in fully as good condition as six tons of hay. We may estimate also, that it will take three and a half tons of oat straw and two and a half tons of oats, to keep a horse a year. A bushel of oats weighs thirty-two pounds, so that it will take over one hundred and fifty-five bushels and three tons of straw to keep a horse a year. It will take about two acres of good land to produce this amount.-American Stock Journal.

HOGS-EARLY MATURITY .- There is no profit in keeping a hog until it is eighteen months,old and, although such an animal may possibly reach the weight of 400 pounds, the heavy weight will not compensate for the mixture of lean and fat. Very large winter. - Farm and Garden

THE TEATS OF COWS .- When a cow loses one of her teats it does milk veins have become accustomed is cheaper and just as good as to the change, all the milk secreted more expensive measure.

will go to three teats as well as to four. Losing a teat is an indication that a cow is or has been a great milker, and may, therefore, be worth more than one that has never had any such difficulty .- Am. Cultivator.

Barley is the best food for fattening young geese.

How to FERTILIZE FRUIT TREES. -Here and there on all farms, and in most fruit gardens, will be seen an occasional tree or grape vine, which seems to lack vigor-does not grow well, and yet seems to have no particular disease. The probabilities are that the tree is dying of starvation and needs a liberal supply of food. When you give it this ration, do not pile a load of manure around the trunk of the tree or the body of a grape vine. That is just the place where it will do the least good. Nearest the trunk of the tree the roots are all large. The fibrous roots-the feeders, are further off near the ends of the roots. These only can take up the nutriment. It is always safe to assume that the roots extend as far from the trunk in every direction as do the limbs of the tree, and to properly fertilize, spread the manure all over that area. Then fork it in and you have done a good work and done it well. If some disease has begun its work on the tree, you will put the sappling no doubt the desire for tree in a healthy, vigorous condition the better enabling it to successfully contend against its enemies. We have seen numerous old pear and adapted to an older stomach, and apple trees, bearing poor and gnarled fruit, which the owners consider of rations than the delicate stomach of no value, but with such treatment as we have outlined above would restore them to their original useful-

When a tree in an old apple orchard dies, dig it out and fill the hole a quantity of manure. Then do not plant a new tree in the same place as it will be of no use, as the roots of surrounding trees will find the new feeding place and effectually starve out the new comer. The trees on either side will bear far more in an increased crop than the new tree ever would, if it lived to be fifty

THOUGHTS FOR FARMERS.—Keep the best and sell the rest.

Weeds exhaust the land as badly as useful crops.

Better kindle the fire with dry wood, than a heated temper.

There is more profit in keeping one good animal than two poor ones.

Brains are the cheapest fertilizer that can be employed on the farm.

Nearly all diseases arise from impure air or water, or from intemper-

Weeds are most easily and cheaply killed when just appearing above

The manure bank is of more importance to the farmer than the money bank.

A portion of green feed, in Winter, is better for live stock, than medicine.

HOUSEHOLD.

Cut flowers in vases should have a fresh supply of water every mornfood consumed. A pig farrowed in ing; the dead buds and decayed April and slaughtered about Christ- leaves should be taken away, and mas will more than return his cost, the end of the stalks cut off. All for it must be taken in consideration | these leaves should be removed that during that period he will be from that part of the stalk that is in but a pig, and the earlier feedings the vase. When the flowers begin small in quantity. He should weigh to hang the head and show a gener-250 pounds when killed, especially al aspect of languor, cut off the ends if a grade Essex or Berkshire, and of the stalk with a sharp knife, and the carcass will contain a fair ad- put them about two inches deep in warm water for a few minutes; the hogs are very often only fit for the water should not be scalding; but lard tubs, and very often only for as warm as you can hold your hand the soap maker. The quality of the in without pain; the moisture will meat influences the price, and the make its way through the cells of difference of only one cent a pound which the stem is composed, and if amounts to quite a sum in the whole. they be taken from the warm and The profitable hog is the one that immediately replaced in fresh cold is grown quickly, fatted without de- water the flowers will revive and Spring,' and though we didn't even lay and marketed before it begins yet live for some days or hours to consume the food laid up for lenger, according to their kind. They should not be exposed to a hot sun.-Ladies Floral Cabinet.

A box 10x10x103 inches will not follow that her actual value is hold just half a bushel. Such a box impaired, except as it may make may easily be made, and is very milking more difficult. After the convenient to have on the farm. It

SCIENCE.

OPERA BY TELEPHONE. - When the new opera 'Lauriana' was produced recently for the first time, at the Lisbon Opera House, the King and Queen of Portugal were in mourning for the Princess of Saxony. The etiquette of courts prevented their royal highnesses from attending, and their despair thereat added to their grief at the loss of the Princess, was like to have overwhelmed them. If Mohammed could not go to the mountain, the mountain must come to Mohammed. And so he brought the opera to their royal highnesses-by

Six microphone transmitters were placed about the front of the operatic stage in multiple arc. They were mounted on lead and soft rubber pedestals to prevent disturbance from the vibration of the building. Each transmitter was fed by three sets of batteries, which were switched on every twenty minutes in succession to keep on the current strength. There were receivers at the palace end for the use of the royal family, who thus heard the opera from beginning to end.

Among the recent patents is one for the combination of a holy water font and a poor box.

Nova Scotians are to read several papers before the British Association in Montreal. Major General Laurie will read a paper on the Agricultural resources of Nova Scotia. E. Gilpin will describe our gold fields. Deputy minister of marine Smith will tell about our lighthouse system, and L. Z. Joncas

PHOTOGRAPHING A FLASH OF LIGHTNING. - From the Scientific American we learn that this has actually been done. Mr. W. C. Gurley of Marietta Observatory writes as follows:

'The reproduction of a flash of lightning by photography would, a few years since, have been deemed quite an impossibility, but the introduction of the rapid bromo-gelatine process has renwith rich dirt from the roadside and | dered it not only possible but comparatively easy of accomplishment.

The accompanying photograph (a picture of which appeared in S. A. with this article) was from a negative taken by myself during a thunder storm which passed several miles south of the observatory on the evening of May 4.

Wheatstone has demonstrated by di rect experiment that the duration of single flash of lightning cannot possibly exceed a millionth of a second. That a photograph showing the detail of the one mentioned could be taken in this inappreciably short time seems quite wonderful not to say incredible. The plate employed was one of Cramer's extra rapid, and developed with strong pyrogallic developer.

It will be observed that the flash is not of the usually depicted zigzag form and that it seems to be alternately contracted and expanded in its passage | books retail from \$1, to \$1.25 each. through the atmosphere.

Taking the interval between the flash and the report, I estimated the distance from the camera to have been about five miles."

VARIETIES.

Showmen who run on the road complain that nowadays the lithographers who get up their gorgeous posters make all the money there is in the business. Well, why shouldn't they? Theirs is generally the only part of the show worth seeing .- Boston Transcript.

A Norristown mother is making a move to have a fire-bell tap every morning between six and seven o'clock. She says that when she calls her fourteen-year-old boy it takes him more than half an hour to dress, but when he hears a fire-bell tap, he's out of bed and dressed in about three minutes. - Norristown Herald.

A man will burn his fingers lighting a cigar with a piece of paper and make no fuss about it, but when his wife asks him to set the teakettle over and he takes hold of the warm handle, he is mad enough to wreck the kitchen.

She was admiring herself and a \$25 spring bonnet. 'Do you think it becoming, dear?' she asked of her young husband. 'Yes, I do,' was his response; 'I think it is becoming very decidedly dear.' - Cincinnati Saturday

The power of the press is great. A few weeks ago a party sent us a piece of poetry entitled, 'Hail, Gentle publish it, the next day spring hailed the biggest kind of hail .- Kentucky State Journal.

'Yes, you may come again next Sunday evening; but '-and she hesitated. 'What is it, darling? Have I given you pain?' he asked, as she still remained silent. 'You didn't mean to, I'm sure,' she responded; 'but next time don't wear one of those collars with the point turning outward.'-Amherst

THE LINE SELECTED BY THE U. S. GOV'T TO CARRY THE FAST MAIL

ONLY LINE RUNNING TWO THROUGH TRAINS DAILY FROM CHICAGO, PEORIA & ST. LOUIS, Through the Heart of the Continent by way of Pacific Junction or Omaha to

DENVER. or via Kansas City and Atchison to Denver, con-necting in Union Depots at Kansas City, Atchison, Omaha and Denver with through trains for SAN FRANCISCO. and all points in the Far West. Shortest Line to KANSAS CITY.

TOURISTS AND HEALTH-SEEKERS reduced rates can be purchased via this Great Through Line, to all the Health and Pleasure Resorts of the West and South-West, including the Mountains of COLORADO, the Valley of the CITY OF MEXICO.

and all points in the Mexican Republic. HOME-SEEKERS Should also remember that this line leads direct to the heart of the Government and Railroad Lands in Nebraska, Kansas, Texas, Colorado and Washing ton Territory.

It is known as the great THROUGH CAR LINE of America, and is universally admitted to be the Finest Equipped Railroad in the World for all classes of Travel. Through Tickets via this line for sale at all Rail-road Coupon Ticket Offices in the United States and Canada.

Canada.
T. J. POTTER,
Vice-Pres. and Gen. Manager.
PERCEVAL LOWELL,
Gen. Pass. Ag't Chicago. JNO. Q. A. BEAN, Gen. Eastern Ag't, 317 Broadway, New York, and 306 Washington St., Boston. April 16

MUNN & CO., of the SCIENTIFIC AMERICAN, continue to act as Solicitors for Patents, Caveats, Trade Marks, Copyrights, for the United States, Canada, England, France, Germany, etc. Hand Book about Patents sent free. Thirty-seven years' experience. Patents obtained through MUNN & CO. are neticed in the SCIENTIFIC AMERICAN, the largest, best, and most widely circulated scientific paper. \$3.20 a year. Weekly. Splendid engravings and interesting information. Specimen copy of the Scientific American sent free. Address MUNN & CO., SCIENTIFIC AMERICAN Office, 261 Broadway, New York.

BAPTIST HEAD-QUARTERS. BAPTIST BOOK

TRACT SOCIETY. 104 Granville Street, Halifax.

Special list of very OHEAP LIBRARIES No. 1 Library 25 vols. 18 mo. in boxes.\$ 7 00

Culm Rock, 50 Lothrop & Co's Select Library

50 Vols., \$25.00. The above are bound in extra cloth, put

up in neat boxes. Many of the larger Pansy's Books,

From 60c, to \$1.50 e ch. PRIMARY LIBRARY. 30 Vols., \$7.50. ECONOMICAL LIBRARY, 40 Vols. 7.50.

HALF PRICE BOOKS

ORDER AT ONCE. ESSON HELPS for 3rd Quarter,

Baptist Tracts, 1000 Pages for \$1.00.

English Periodicals and Magazines In Stock.

Orders taken for 6 or 12 months on Eng-

ish Periodicals and Magazines. The Natural Law in the Spiritual World, By Henry Drummond, F.R.S.E., F.G.S.,

81.50. Gospel Hymns, 1, 2, 3, 4, consolidated. PSALMISTS, HYMNALS, ETC.,

15 per c. off where possible. Send for Catalogue—Cash must accompany the orders for Sunday School Helps and Periodicals. Money Orders and Drafts drawn payable to Baptist Book and Tract GEO. A. McDONALD.

June 11. Secretary.

NEILY'S STILL TO THE FRONT.

THIS FERTILIZER has proved itself for the past FOUR YEARS equal to the Im-PORTED, and costs much less. PAMPHLETS containing nearly 100 Testimonials of those that have used it along side of the Imported

Sent Free on Application, Write for one by Card. Agents Wanted

WHERE NOT APPOINTED. Address,

L. O. NEILY, Aylesford, N.S. March 26.

SMITH & CHISHOLM, 8 George Street,

Have on hand a full line of

West of England Broadcloths, DOESKINS, DIAGONALS, HAIRLINES, SCOTCH AND ENGLISH

Tweed Suitings,

CORDUROYS in Seal-brown, Drab and Huntsman's Color.

SPRING OVERCOATINGS, &C.,

Which they can make up at prices which will defy competition. A perfect fit and every satisfaction guaranteed. May 28.

TO LET.

Hastings House, 73 GRANVILLE ST.

POSSESSION GIVEN 1st of MAY. Enquire of S. SELDEN 71 Granville Street. Feb. 13.



before you buy all the extensively advertised nostrums of the day which have made no genuine curse, and have nothing to commend them to the public but false praise from the vendors, who instead of manufacturing an article of worth which would cost money, give to agents immense profits to secure their sale and the sick who have been induced to try them only find out when too late that they are really no better and often worse than before using them, in | ripping. the meantime the proprietors have

CARREULLY laid away a fortune and in a short time the very name ceases to be seen or heard

GATES' LIFE OF MAN BITTERS

may be relied on as a medicine of great merit, and has made some of the most remarkable cures ever known and has never been introduced into any locality where it has not given evidence of great value to the suffering sick. Hundreds of cures have been made in the provinces with this medicine in connection with the INVIGOR, ATING SYRUP, and hundreds of certificates from good citizens and the clergymany of which are under oath, cannot fail to convince the most sceptical of their great curative properties:

Don't be Deceived,

use the medicine that has been tested for over forty years and will certainly cure you. So positive are we of their power to cure that we offer a reward of \$100.00 for a case they will not cure or help, and \$100.00 for a false statement made by us of any certificate of cure, this medicine has not accomplished.

Sold everywhere at 50 cts. per bottle 12 bottles for \$5.50.

Manufactured only by C. GATES SON & CO., Middleton, N. S.

TRURO AND KENTVILLE

Marble, Freestone CRANITE WORKS,

A. J. WALKER, Prince Street, Truro. A. J. WALKER & Co.,

Church Street, Kentville. to Dec. 31. Jan. 9.

SAVE THE NATION 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

INFANTS AND INVALIDS,

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

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.

B. KINNEY, ARCHITECT.

Designs, Plans and Specifications pre-pared for all classes of Buildings. Also: Rural Cemeteries surveyed and planned.

Yarmouth, N. S.

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.

HALIFAX STEAM DYE WORKS,

(Opposite H. M. Naval Yard), BRANCH-No. 25 Barrington St.

566 Upper Water Street,

Established 1871. JOHN HUBELEY, Proprietor.

COATS, Pants, Vests, Shawls, Sacques Dresses, Clouds, Curtains, Table Cloths, Cashmere Shawls, &c., Cleansed and Dyed to look like new. Silk Ribbons, Scarves, Crape Shawls, Satan Neckties, &c., Dyed all Colours.

FEATHERS DYED AND CURLED. Gents Garments cleansed and pressed, Goeds damaged by fire or water, faded or soiled, Coats Dyed to look like new. Mourning Dyed at the shortest notice Gents Garments and Ladies Dresses, all

JOHN HUBELEY, 566 Upper Water Street, Cheapest Place in the city for Dyeing.

wool, Dyed and Pressed whole, without

FERTILIZERS.

THE CELEBRATED

SUPERPHOSPHATE CERES" The complete Fertilizer.)

Three grades of GROUND BONE. Fertilizers analyzed by Prof. George Lawson of Dalhousie College. Silver and Bronze Medals awarded at

the Dominion Exhibition, 1883. MANUFACTURED AT THE Chemical Fertilizer Works, JACK & BELL, proprietors, Pickford & Black's Wharf,

Halifax, N. S. Send for Circular. Agents wanted in unoccupied territory

UNFERMENTED WINE,

Prepared for Sacramental and Dietetio By F. WRIGHT, Maunfacturing Chemist

Kensington High Street, London, W. "This WINE is guaranteed to be the uice of the finest grapes of the Cote d'or, Andalusia, and the Medoc. It is perfectly free from Alcohol, and is guaranteed to be Pure Grape Juice. It has stood the test of 22 years' continuous sale in every climate, and is now used in upwards of 1500 Churches of all denominations. The mode of manufacture is a slight modification of a wellknown ancient practice, and effectually pre serves the grateful flavor and the rich nutri tious qualities unimpaired. It is therefore admirably adapted in cases of debility and fever, in which the stomach is too weak to digest other food. Children suffering from febrile ailments drink it with avidity, even when all other food has been refused.

JOHN M. HODGES, ESQ., M. D., F. C.S., Public Analyst for Antrim County and Belfast

"I have chemically examined the bottle of Wright's Unfermented Wine (taken by my son from the stock held by Mr. Wright's Belfast Agent), and find that it is free from alcohol, and contains the constitutents of grape juice. When mixed with water it will prove an agreeable beverage."

FROM REV. JOHN BURWASH, Formerly Professor at Mount Allison, Wesleyan College, Sackville, N. B.

Sackville, May 23rd, 1882. "I have just finished the analysis of the Wine sent. It is necessarily a slow process, some of the steeps taking two days. This Wine contains No ALCOHOL, nor any dele terious ingredient. * * * It can be relied on as wholesome, not having any intoxicating properties. * * *

FOR SALE AT MEDICAL HALL, AMHERST, N. S C. A. BLACK, M. D. Dec. 5.

Nova Scotia

Book Bindery, C. & T. PHILLIPS,

Cor er Granville & Sackville Streets. BOOK BINDERS, PAPERS RULERS. BLANK BOOKS, Manufacturers, Perforaters, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market.