

The Christian Messenger.

HALIFAX, N. S., JANUARY 7, 1874.

ALMANAC FOR JANUARY.

Full Moon, January 2nd, 2h. 49m. after noon.
Last Quarter, " 10th, 3h. 41m. afternoon.
New Moon, " 18th, 3h. 46m. morning.
First Quarter, " 24th, 8h. 28m. afternoon.

Table with columns for Day, SUN., MOON., and High Tides. Rows list days of the month with corresponding times and tide heights.

THE TIDES.—The column of the Moon's
Southings gives the time of high water at
Parrsboro', Cornwallis, Horton, Hantsport,
Windsor, Newport, 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 Charlottetown, 2 hours
56 minutes later. At Westport, 2 hours 54
minutes later. At Yarmouth, 2 hours 20
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.—Sub-
tract the time of the sun's setting from 12
hours, and to the remainder add the time of
rising next morning.

Articles and Covenant
OF
Baptist Churches.
\$1.00 per 100 copies.
July 2.

Hats and Caps.

WE have now on hand a full stock of all
kinds, including the

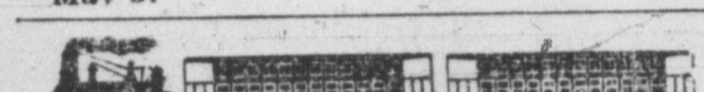
NEWEST STYLE,

to which we invite the attention of our friends,
both at

Wholesale and Retail.

Our prices are as low as any in the city.
Silk Hats made to order by Conformation
Measure, without extra charge.

EVERETT BROTHERS,
100 Granville St.



WINDSOR & ANNAPOLIS RAILWAY.

CONDENSED TIME TABLE.

COMMENCING OCTOBER, 1873.

HALIFAX TO ST. JOHN.

Table showing train schedules from Halifax to St. John, including stations, departure times, and arrival times.

ST. JOHN TO HALIFAX.

Table showing train schedules from St. John to Halifax, including stations, departure times, and arrival times.

N. B.—The Express trains now run daily.
Steamer "Scud" or "Empress" leaves St.
John on Monday, Wednesday, Friday and
Saturday, at 8 a. m., for Annapolis, and re-
turns same day on arrival of 8 a. m. Express
Train from Halifax.

International Steamers leave St. John on
Monday and Thursday at 8 a. m., for East-
port, Portland, and Boston.

European and North American Railway
Trains leave St. John at 8.30 a. m. and 9 p. m.
for Woodstock, Fredericton, St. Stephens, Ban-
gor, Fortland, Boston, and all parts of the
United States and Canada.

Through Tickets at reduced fares by above
routes to all parts of the United States and
Canada may be obtained at the Ticket Office
126 Hollis Street, Halifax, at Richmond, and
the principal Stations on the Railway.

P. INNES, m. m. ger.
Oct. 22.

Agriculture.

GREEN SOIL AND ITS PRE-
PARATION.

Try to select a light, not a heavy
soil, and a south-eastern rather than a
north-western exposure. If clayey,
make it friable by adding sand or sandy
soil, wood mould, or prepared muck.
To prepare muck, dissolve a bushel of
salt in water enough to slake four bush-
els of lime (oyster shell lime is the
best), and slake the lime with this
solution. The lime and salt mixture
should be prepared under cover, or put
under cover when prepared to prevent
rains from washing away its most
soluble parts. Let it remain so several
weeks, turning it occasionally before
mixing it with the muck. Then mix it
with the muck at the rate of four bush-
els to a cord of muck. Treated in this
way the latter will soon decompose, lose
all acidity, and be ready, when com-
posted with farm-yard fertilizers, to act
as a divisor and to absorb and retain
gases resulting from the decomposition.
Thus ammonia, which has a marked
influence on the coloring of plants, will
be saved. Muck treated in this way
will be very valuable for a garden soil
having but a small percentage of orga-
nic matter. Besides improving the
mechanical condition of both clayey
and sandy soils, it will also render them
earlier than they otherwise would be,
on account of its capacity to absorb and
retain heat, and the roots of plants in
such a soil are not so liable to injury
from intense freezing.

A garden soil if possible, should be
trenched, for many reasons of a mecha-
nical and chemical kind. Suffice it to
say that in such a soil, plants will not
suffer from drought, because the air in
circulating through it deposits moisture
on the surface of its particles. The
soil, at a certain depth, being at a lower
temperature in hot weather, when
plants need moisture most, and when
there is plenty of it in the air, will have
moisture deposited on its particles be-
cause of their being at a lower tempera-
ture than the surrounding atmosphere.
A piece of polished steel taken from an
ice-house and exposed to summer air
will have moisture at once deposited
on its surface, for it is at a lower
temperature than the atmosphere; and
the same will be true of a deeply
trenched garden soil when the air
circulates freely through its particles,
which it will do if not pervaded by
stagnant water.

In loosening the soil about plants,
use a fork rather than a spade. It will
do the work better, and with less injury
to the roots.

BEGIN EARLY.—A boy, ten or twelve
years of age, with a little instruction,
can manage the poultry. Let him take
it on shares and see what he can make
out of it. Give him a patch for a
garden, and, if near a market, let him
sell what he can raise. Give him a
half dozen apple trees or pear trees,
teach him to graft them, if they need
it, and let the fruit be his. Give the
boy's interest in your business, and
make them intelligent in it, and they
will not be in haste to leave the home-
stead. Encourage them to read agri-
cultural papers and books, and the
appetite will grow by what it feeds
upon.

TURPENTINE FOR THE TURNIP BEETLE.—A
correspondent of Bell's Mes-
senger, says:—A friend of mine has for
some years past been in the habit of
moistening his turnip seed with turpen-
tine (in the same manner as seed wheat
is prepared to prevent smut) the night
before sowing, as an antidote to the
turnip fly—more properly the turnip
beetle (Halicia nemorum), with so
much success, that he assures me that
his turnip crops have since been exempt
from the attacks of this voracious little
insect, while on one or two occasions,
the crops of his immediate neighbors—
whose seeds had not been so prepared
—were more or less eaten up by them.

The Boston Journal of Chemistry
says that the butter manufactory of
New York turns out over two tons a
day! The butter is manufactured di-
rectly from beef suet, by extracting the
oil and churning the latter with sour
milk and properly coloring and salting
it. It is reported that a manufactory
is to be established near Boston.

In a short time adulterated milk
must become an unknown thing in
London. The police make it very uncom-
fortable for the cheating dairymen and
they are severely punished whenever
caught.

Scientific.

LOBSTERS are now cultivated in a
salt water ponds on the New England
coast. The pond covers 30 acres and
is so arranged that the water is partially
changed at each tide. The food supply
consists of refuse from the Boston fish
markets, and during the first year 15,-
000 marketable lobsters were sold.—
Scribner's.

CURE FOR BURNS.—The Gazette
Medicale of France, says that, by an
accident, charcoal has been discovered
to be a sure cure for burns. By laying
a piece of cold charcoal upon a burn,
the pain subsides immediately. By
leaving the charcoal on one hour, the
wound is healed, as has been demon-
strated on several occasions. The
remedy is cheap and simple, and de-
serves a trial.

LIQUID NOURISHMENT FOR SICK
STOMACHS.—The Dublin Medical
Journal recommends the following: An egg,
well beaten up, to which add one pint
of good milk, and one pint of cold water
and salt to make it palatable; let it
then be boiled, and when cold any
quantity of it may be taken. If it
turns into curds and whey, it is useless.

SCIENTIFIC ACCURACY.—The Hoo-
sac tunnel alignment proves to have
been very accurately made. The error
in vertical alignment was only nine
sixteenths of an inch, and that in the
level was one inch and a half. This
result is very creditable to the engineers.

ROAST OYSTERS.—Wash and wipe
the shell-oysters, and lay them in the
oven, if it is quick, up on the top of the
stove if it is not. When they open they
are done. Pile in a large dish
and send to table. Remove the upper
shell by a dexterous wrench of the
knife, season the oyster on the lower,
with pepper, sauce and butter, or pepper
salt and vinegar in lieu of the sauce,
and you have the very aroma of this
pearl of Bivalves, pure and undefiled.

LABOR SAVING SOAP.—Take two
pounds sal soda, two pounds of yellow
bar soap, and ten quarts of water; cut
the soap into thin slices, and boil to-
gether two hours; strain and it will be
fit for use. Put the clothes in soak the
night before you wash, and to every
pail of water in which you boil them,
add a pound of soap. They will need
no rubbing: merely rinse them out and
they will be perfectly clean and white.

FOR CLEANING SILKS.—The follow-
ing is said to be an excellent recipe for
cleaning silk: Pare three Irish potatoes
into thin slices, and wash them well.
Pour on them half a pint of boiling
water, and let it stand till cold. Strain
the water, and add to it an equal quan-
tity of alcohol. Sponge the silk on the
right side. The most delicate colored
silks may be cleaned by this process,
which is equally applicable to cloth
velvet, or crape.

ROLL JELLY CAKES.—One cup of
sugar, one cup of flour, four eggs, one
teaspoonful of cream of tartar, and one-
half teaspoonful of soda dissolved in
one-half tablespoonful of cold water.
Bake quick in long, shallow tins, and as
soon as it is ready to slip from the pans,
spread jelly on the bottom and roll up,
then roll a napkin tight round it until cool.

LEMON JELLY FOR TARTS.—Two
eggs, two lemons, one cup of sugar, one
tablespoonful of butter; beat all well
together, squeeze in the juice of the
lemons, and grate a little of the rind.
Cook by steam one-half hour; stir well
while cooking.

A French astronomer thinks he will
be able to find out during the coming
transit of Venus whether the planet is
inhabited.

AQUEOUS EXHALATION OF PLANTS.
—M. Barthelemy, after a series of ex-
periments on the above subject, con-
cludes that in plants there is an insen-
sible exhalation, throughout the entire
cuticular surface, through the medium
of a true gaseous dialysis; that there
is an abrupt emission of saturated gases
which escape by breathing apertures
when the plant is submitted to a rapid
elevation of temperature, especially
when under a bell glass; and that there
is finally an accidental exudation, the
result of defects in equilibrium between
the absorbent action of the roots and the
work in the aerial portions for the
fixing of the carbon added to the
elements of the water, a labor which
ceases when light disappears.

CURIOSITIES OF THE DEEP.—The
Challenger, which left England recent-
ly on a dredging expedition, appears to
be picking up some very curious speci-
mens from the bottom of the Atlantic.
It has dredged up creatures almost en-
tirely composed of eyes, in which the
body is a mere appendage to the eyes;
and another, a crustacean, in which the
eyes, if it ever had any, have taken
leave of the body, and the animal is
totally blind, but furnished with most
delicate claws, by which it feels its
way about. These latter probably are
sightless, for the same reason as the
fishes in the Mammoth Cave—there
can be little use for eyes at the bottom
of the ocean.

LIGHT AND THE EYES.—The injur-
ious effect of artificial light upon the
eye is said to be due to the presence of
an excessive number of non-luminous
heat-rays. As proving this, it is said
that, while sunlight contains fifty per-
cent. of these rays, electric light has
eighty, gaslight ninety, and kerosene
light ninety-four per cent. In view of
these facts, an eminent German chemist
proposes to absorb these injurious rays
by interposing between the sources of
light and the eye, a thin layer of alum
or mica.

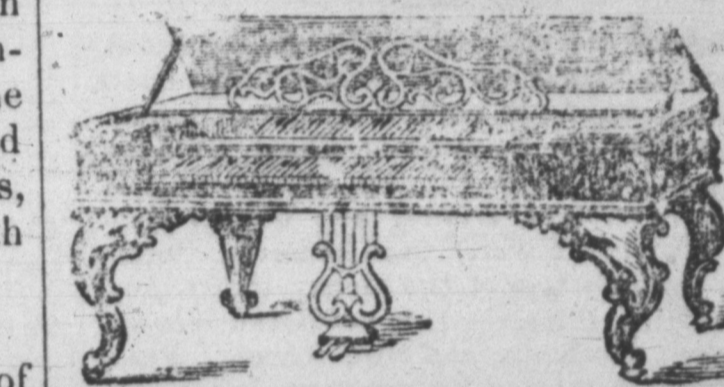
A strong colony of bees has been
known to build one hundred square
inches of comb in twenty four hours;
at that rate, over sixty sheets of comb
a foot square could be constructed in
three months. The Annals of Bee
Culture, mentions a swarm that built
nine sheets of comb, ten by thirteen
inches, in ten days.

NOTICE.

THE Subscriber offers for Sale his well
known Farm, Situate in Wilmot,
County of Annapolis, on the North back road,
about one half mile east from the Wilmot
Spa Springs, and about one and a half miles
from the Railroad Station. Said farm con-
tains 125 acres of very valuable land, advan-
taneously divided into Hay, Pasture, and
Woodland. The hay and tillage land are
under a superior state of cultivation, the
pasture is of an excellent quality, and wood
lot sufficient to supply a family for genera-
tions to come. On the Farm is a comfortable
House of Size and accommodations to suit a
large family. Also 2 good Barns, with other
convenient out-buildings all in good state of
repair. An abundant supply of water is
carried into the House by pipes from a never
failing Spring, and also taken for the use of
the farm.

There are about 100 grafted apple trees
producing from 60 to 200 barrels annually.
This property is so well known that further
particulars are unnecessary.
The terms of payment will be made easy,
only a small proportion will be required down,
with good and approved security for the re-
mainder.
The stock and farming utensils can be had
by a purchaser of the farm if required.
For further particulars apply to the owner
on the premises.

GEORGE BALLENTINE.
Wilmot, County of Annapolis,
January 22nd, 1874.



Superior Pianos,

IN VARIOUS STYLES.
UPRIGHT, OBLIQUE, SQUARE, Etc.
With all the latest improvements, manu-
factured by the subscribers, and especially
adapted to this climate. An assortment of
THE "SILVER TONGUE"
A very fine toned CABINET ORGAN,
by Carhart and Needham, N. Y.
The above are offered to a discriminating
public at moderate prices,
WM. FRASER & SONS,
June 1. 70 & 72 Barrington St.

H. G. LAURILLIARD,

TAILOR,
GENTLEMEN'S DRESS MATERIALS,
AND
Furnishing Goods constantly on hand
Agent for the
NEW YORK FASHION PLATES.
231 HOLLIS STREET.
HALIFAX, N. S.
May 17. 1yr.

MUSICAL.

C. E. & G. O. GATES
Manufacturer of
ORGANS AND PIANOS.
GENERAL Agents for the Smith Ameri-
can Organ Company, and Henry F.
Miller's Pianos.
Second-hand Pianos and Organs taken in
exchange for new.
A practical man will travel over the Provin-
ce twice a year, for the purpose of tuning,
repairing, and taking orders. Instruments
warranted for 5 years.
Melvern Square, Wilmot, N. S.
June 18.

Kennedy, Bent & Co.

COMMISSION MERCHANTS,
And Wholesale & Retail Grocers,
223 BARRINGTON ST.

HALIFAX, N. S.

HAVE been enlarging and repairing their
store, and adding large Waterrooms, and
now have the pleasure of informing their
friends and the public generally, that they
have on hand a

LARGE STOCK OF
GROCERIES,

Comprising the variety (ardent spirits ex-
cepted,) usually found in a
First-class Grocery Store.

Family Orders carefully put up and
forwarded.

All kinds of Country Produce sold, and
prompt returns made.

W. Y. KENNEDY,
JOSEPH H. BENT.
Halifax, May, 1873.

Aug. 27.

WHY spend you money in procuring
Foreign preparations when you can so
easily procure better articles, of home man-
ufacture and at less price? Archibald's Cough
Mixture, a universal remedy for Lung and
Chest disease—Archibald's Tonic Bitters a
capital remedy for Dyspepsia and Liver Com-
plaint—Archibald's Vegetable Liver Balsam
the great killer of pain.

Price 25 cents per Bottle.
Manufactured by
M. ARCHIBALD, Truro.
Sold by all respectable traders and druggists.
May 7.

To Parents and Sabbath School
Teachers.

JUST PUBLISHED.
SECOND EDITION—REVISED.

A SCRIPTURE CATECHISM,

for the Family, the Bible Class, and the
Sabbath School,
BY S. SELDEN.

Price 8 cents or \$6.00 per 100.

DR. R. R. CUNNINGHAM,

DENTIST,
40 GERMAIN ST., ST. JOHN, N. B.

Dentistry in all its branches. Artificial teeth
mounted on fine Gold Plates. I keep a large
assortment of teeth from the best manufac-
turers, in every variety of style. Vulcanite
Plates made from the best English and Ame-
rican rubbers. My Laboratory is constantly
supplied with the most expert workmen that
can be procured and with all modern con-
trivances in the way of tools, machinery, &c.,
None but perfect work allowed to leave the
establishment.
Persons from Nova Scotia visiting St. John,
can have artificial denture supplied with less
detention than at any other office. Teeth filled
with Pure Gold; also, with all the best com-
position fillings known.

Dr. R. R. Cunningham,
40 GERMAIN ST.,
St. John, N. B.

March 12.

AUTUMN STOCK.

150 GRANVILLE STREET.

WE are now opening per "Sidonian,"
"Isralia," and "Austrian,"

84
PACKAGES OF DRY GOODS.

Balance expected daily, per "Severn,"
"Nestorian," "Delta" and "Roseneath."

MILLINERY.

Stock of Millinery now Complete.
Wholesale and Retail.
SMITH BROS.

Sept. 17.

LAND AND TANNERY

For Sale.

THE subscriber offers at private sale the
Property on which he now lives, situate
in Pictou, on the main Post Road, leading
from Windsor to Hantsport, Wolfville, etc.,
consisting of ten Acres Prime LAND, with
DWELLING HOUSE, Well, Stable, Orchard,
Tannery, and outbuildings connected, with a
never failing Brook running through it.
As he is unexpectedly called to change his
business, will sell all the fittings connected with
the tannery, (which is 38 x 40, two stories
high) such as Bark Mill, Tables, Beams,
Tools, besides other articles on the place too
numerous to mention, so that the purchaser
may go to work without any loss of time.
Also—A LOT HIDES.
A part of the purchase money may remain
on mortgage.
Feb. 19 P. W. PAYZANT.

THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms—
Two DOLLARS a year, when paid in ad-
vance; if payment is delayed over three
months \$2.25 when over six months \$2.50.
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20 cents a year for prepayment of postage.

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lets, Cards, Handbills, Blank
forms, &c., &c., on reason-
able terms.
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