

The Messenger Almanac.

NOVEMBER, 1881.

Full Moon, November 5th, 9h. 49m. A.
Last Quarter, " 13th, 6h. 47m. A.
New Moon, " 21st, 0h. 7m. A.
First Quarter, " 28th, 7h. 47m. M.

Table with columns: Day, SUN. Rise, SUN. Sets, MOON. Rise, MOON. Sets, High Tide. Rows for days of the month.

THE TIDES.—The column of the Moon's
Soutthing gives the time of high water at
Parrboro, 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.

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.

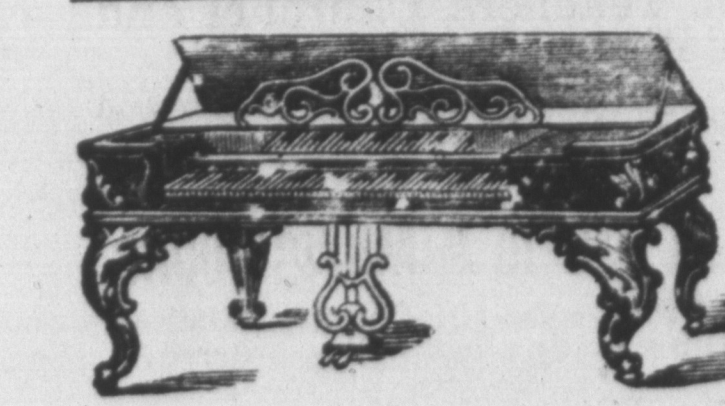
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obtained for Inventors, in the United
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LOUIS BAGGER & CO.,
Solicitors of Patents and Attorneys-at-
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D. C. May 1.

BAPTIST CHURCH REQUISITES.

- Articles and Covenant \$1.00 per 100.
Church Record and Register \$2. and \$3
each.
Alphabetical List of Members 40 cents
each.
Letters of Dismission 50 cts. per quire.
Psalmists, in all varieties, from 85 cts.
Baptist Hymn Book from 50 cts.
Baptists Hymn and Tune Book \$1.00
and \$2.25.
Scripture Catechism, \$6.00 per 100.
CHRISTIAN MESSENGER OFFICE.
No. 69 & 71 Granville St., Halifax.
April 15.



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 man-
ufacture. We invite inspection of our in-
struments; all first class and warranted
to give satisfaction.

Piano-Fortes, Cabinet and Church
Organs Tuned and repaired.
Nov. 5.

"CUSTOM TAILORING."
H. G. Laurillard,
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HALIFAX, N. S.
Agency for New York Fashions

AGRICULTURE.

FLOWER GARDEN IN AUTUMN.—
Vick's Floral Guide gives the following
practical directions for some autumn
work in the flower garden.

It is a good time in the pleasant fall
weather, for arranging beds of herbaceous
plants, such as hollyhocks,
delphiniums, paeonias, etc. Roots can
be divided without injury, and generally
with great benefit to the health of
the plants. Lillies, and hardy bulbs,
can also be removed and replanted as
soon as the leaves begin to ripen.
Plants that are somewhat tender in the
North, such as tritomas, pampas grass,
etc., and any other tender plants that
it would be desirable to save over
winter, may be secured in pits or cool
cellars.

General improvements in the garden
should be now made, for our springs are
short and unpleasant. Dig up and put
in order every vacant bed, as it will not
only facilitate spring work, but do the
soil good and have a neater appearance
than it left rough and weedy.

All bulbs and plants that die down
to the ground in autumn may be pro-
tected by covering the surface of the
earth with leaves, manure, or straw,
but plants that retain their leaves during
the winter, will not bear this kind of
protection. A few evergreen boughs
thrown over the bed, a little straw
between the plants, or some light, open
covering of this kind, is all they will
bear without danger of smothering and
rotting.

All hardy plants, the paeonias, holly-
hocks, delphiniums, perennial phlox, day
lily, dicentra, and plants of a similar
character, indeed, all that will endure
our winters, should be planted in the
autumn, if possible, as they thus get a
good start in the spring.

A scarcity of water is a great draw-
back to the stock. When water is low
in the streams it is always impure and
provokes disease. The cattle disease
prevalent in many parts of the country
is frequently due to the swamp water
drunk by the cattle.

In purchasing new farm waggons,
farmers would do well to remember
that a four inch tire will carry two tons
over soft ground more easily than a
two-and-a-half inch tire will carry one
ton. Moreover, there is less strain to
the wheels from inequalities in the road,
the roadway itself is improved, and the
draft, contrary to the common opinion,
is less.

Surface drains should be made
wherever water will lie upon the soil;
deep drains should be made wherever
springs rise from below and keep the
soil wet. Surface drains will do much
good in many places. Fall sown grain
fields should be completely provided
with such drains to carry off water that
would remain more than two days.
These drains should be carried with a
gentle slope, so that the water will not
wash or gully the field.

Mr. James Vick, the Rochester
Nurseryman, is quoted as saying that
the "White Worm," or any other
worm, in pots, may be destroyed by
sticking three or four common matches
down into the soil, also one or two up
into the drain opening. The phosphorus
on the match is certain death to animal
life, and a powerful fertilizer for plants.

THE HOUSE.

The Government recipe for cleaning
brass, used in the arsenals, is said to be
as follows: Make a mixture of one
part common nitric acid and one-half
part sulphuric acid in a stone jar; then
place ready a pail of fresh water and a
box of sawdust. Dip the articles to be
cleaned in the acid, then remove them
into the water, after which rub them
with sawdust. This immediately
changes them to a brilliant color. If
the brass is greasy it must be first
dipped in a strong solution of potash
and soda in warm water; this cuts the
grease so that the acid has the power
to act. The Manufacturer says that
rusted steel can be cleaned by washing
with a solution of half an ounce of
cyanide of potassium in two ounces of
water, and then brushing with a paste
composed of half an ounce of cyanide
of potassium, half an ounce of castile
soap, an ounce of whiting and sufficient
water to make the paste.

BORAX.—Lady readers who have
not tested the magic properties of borax
have been losing a great help and
comfort. If once used you will never
be without a bottle on the toilet table.

It removes stains and dirt from the
hands, better than soap, and at the
same time softens and smooths the
skin. It is splendid for washing the
hair, and will, without injury, cleanse
brushes and combs in a few moments.
For washing purposes it saves both
soap and labor. It will extract the
dirt from articles of delicate texture
without rubbing, it being only neces-
sary to put the articles to soak
with a solution of borax over night, and
need only to be rinsed in the morning.
Two tablespoonfuls of pulverized borax
dissolved in a quart of water, of which
enough is added to cover a pair of
blankets, will cleanse them beautifully.
It also saves great labor in washing
paint. It is said to drive away ants
and roaches, if sprinkled on the shelves
of safes and pantries.

SCIENCE.

FERTILITY IN ROCKS.—The most
common rocks are granite, limestone,
and traps. Granite contains quartz,
mica, and feldspar; each of these
minerals furnishes valuable plant food;
the quartz is mainly silica, which pro-
vides the silicious coating of straw and
grain; mica is a silicate of alumina
and potash, containing 9 1/2 per cent. of
the latter, and is very easily disintegrated
and reduced to the finest particles.
This mineral is very common,
and appears as small shinning scales
which glitter in the soil. It also forms
a large component of various stratified
rocks, known as micaceous slates,
which quickly break up under exposure
to the weather, and constantly and lib-
erally contribute fresh wealth to the
soil. The best grass and pasture lands
in the country, the best dairy farms,
and the most productive corn lands are
those on which this mineral is abundantly
disseminated. Feldspar is also
a silicate of alumina and potash, and
is rich in potash, containing about 17
per cent.; a related mineral alkali, also
found in granites and other rocks, in
which it replaces feldspar, contains 9
per cent. of soda. Lime is one of the
commonest minerals and of the widest
distribution, not only as a partial con-
stituent of many rocks, but by itself as
limestone. Limestones are found over
continuous stretches of country for
hundreds of miles. They contain a
large proportion of organic remains in
the shape of shells and sometimes of
the skeletons of small animals, and vast
beds of this rock are wholly made up
of these materials. The presence of
phosphoric acid in limestones is quite
common, and magnesia, is frequently
associated with the lime. Traprocks
furnish most of the grey and black
boulders which cover or partly fill the
soil in many places, and which are
found so useful in providing material
for making roads. These rocks are
rich in potash, magnesia, and lime, and
if, as we well know, the road dust form-
ed from the tear and wear of these
stones exerts a useful effect upon the
soil, so the fine particles continually
worn from them in the soil also adds
constantly to the stores of plant food.—
New York Times.

VARIETIES.

ABOUT GIVING NAMES.—If the child
is a boy, it may be equally uncomfort-
able for him to have a long string of
names. Suppose that in adult life he
becomes a merchant or banker, with
plenty of business to do, then he will
not be well pleased to write "George
Henry Talbot Robinson" two or three
hundred times a day. Fanciful names
are neither always pretty nor prudent.
Parents had need of the gift of prophecy
who call their children Grace, Faith,
Hope, Fortune, Love, etc. It is pos-
sible that their after-life may turn such
names into bitter irony. For the sake
of conciliating a rich friend, never give
a child a disagreeable or barbaric name.
It will be a thorn in his side as long as
he lives, and after all he may miss
the legacy. Remember in giving
names, that the children when grown
up may be in the situations where they
will have frequently to sign their
initials, and do not give names that
might in this situation provoke con-
temptuous remark. For instance,
David Oliver Green, the initials make
"dog"; Clara Ann Thompson, the
initials spell "cat." Neither should a
name be given whose initial taken in
conjunction with the surname suggests
a to-dish idea, as Mr. P. Cox, or Mrs.
T. Potts.

Heaven trims our lamps while we
sleep.
We take our colors, chameleon-like,
from each other.



INTERCOLONIAL RAILWAY.

SUMMER ARRANGEMENT.

TRAINS leave Halifax daily (Sunday
excepted) as follows:—
(Halifax time.)
At 8.25 a. m.—Express for St. John, Pic-
tou, Quebec.

At 12.15 p. m.—Accommodation for Pictou.
At 5.00 p. m.—Accommodation for Truro.
At 6.15 p. m.—Express for St. John and
Quebec.

WILL ARRIVE:—
At 9.15 a. m.—Accommodation from
Truro.

At 10.15 a. m.—Express from Quebec and
from St. John.

At 2.50 p. m.—Accommodation from Pic-
tou.
At 7.45 p. m.—Express from St. John.
Nov. 24, 1880.

Windsor and Annapolis
Railway.

Summer Arrangement—Commenc-
ing Monday, April 4th, 1881.

The following is according to Railway
Time. Halifax times is 15 minutes later.

Table with columns: Miles, GOING WEST, Express Daily, Passengers & Freight, Pass. & Frgt. Daily. Rows for Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, Annapolis, St. John.

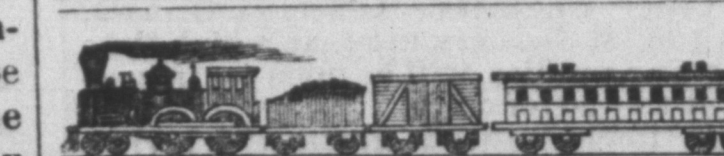
Table with columns: Miles, GOING EAST, Pass. and Freight, Pass. and Freight, Express Daily. Rows for St. John, Annapolis, Middleton, Berwick, Kentville, Wolfville, Windsor, Halifax.

Steamer "Empress" leaves St. John at
8 a. m. every Monday, Wednesday and Friday
for Digby and Annapolis, and leaves Annapo-
lis, on arrival of Express Train from Hal-
ifax, 1.40 p. m. every Tuesday, Thursday and
Saturday, for Digby and St. John.

HALIFAX and CAPE BRETON
RAILWAY.

EXPRESS leaves New Glasgow at 1.00
P. M., after arrival of I. C. R. Train leav-
ing Halifax at 8.10 A. M., arriving at the
Strait of Canso at 5.00 P. M.

EXPRESS leaves the Strait of Canso at
6.50 A. M., arriving at New Glasgow at
2 P. M., connecting with I. C. R., leaving
Pictou at 2 P. M., for Halifax.



Western Counties Railway.

Train leaves Yarmouth daily at 7.45 a.
m., and arrives at Digby at 11.45 a. m.

Leaves Digby on Monday, Wednesday,
and Friday at 1.00 p. m. Arrives at Yar-
mouth at 5.00 p. m. On Tuesday, Thurs-
day and Saturday at 3.30 p. m. Arrives at
Yarmouth at 7.30 p. m.

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
FOR
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
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

Nova Scotia
Book Bindery,
G. & T. PHILLIPS,
Corner Granville & Sackville Streets.
BOOK BINDERS, PAPERS RULERS,
BLANK BOOKS, Manufacturers, Perform-
ers, Steam Machine PAPER BAG
Manufacturers. Cheapest in the Market.
Jan. 31.



Cathartic Pills

Combine the choicest cathartic principles
in medicine, in proportions accurately ad-
justed to secure activity, certainty, and
uniformity of effect. They are the result
of years of careful study and practical ex-
periment, and are the most effectual reme-
dy yet discovered for diseases caused by
derangement of the stomach, liver, and
intestines, which require prompt and effectual
treatment. AYER'S PILLS are specially
adapted to this class of diseases. They
act directly on the digestive and assimila-
tive processes, and restore regular
healthy action. Their extensive use by
physicians in their practice, and by all
civilized nations, is one of the many
proofs of their value as a safe, sure, and
perfectly reliable purgative medicine.
Being compounded of the concentrated
virtues of purely vegetable substances,
they are positively free from calomel or
any injurious properties, and can be admin-
istered to children with perfect safety.

AYER'S PILLS are an effectual cure for
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Foul Stomach and Breath, Dizziness,
Headache, Loss of Memory, Numbness,
Biliousness, Jaundice, Rheumatism,
Eruptions and Skin Diseases, Dropsy,
Tumors, Worms, Neuralgia, Colic,
Gripes, Diarrhoea, Dysentery, Gout,
Piles, Disorders of the Liver, and all
other diseases resulting from a disordered
state of the digestive apparatus.

As a Dinner Pill they have no equal.
While gentle in their action, these PILLS
are the most thorough and searching cathar-
tic that can be employed, and never give
pain unless the bowels are inflamed, and
then their influence is healing. They stimu-
late the appetite and digestive organs; they
operate to purify and enrich the blood, and
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LIFE INSURANCE CO.,
OF MAINE.

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JOHN E. DE WITT, President.

WAS Chartered by the Legislature of
the State of Maine, July 17, 1848.

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POLICIES.
Has paid to the Widows and Orphans
and Beneficiaries under its Policies, \$6,
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Endowment Policies and Annuities, \$1,
992,316.91.
And has returned to its Policy-holders,
in the way of Dividends, \$3,935,668.04.
And for Surrendered and Lapsed Pol-
icies, \$5,116,955.80.
Total payment to Policy-holders, \$17,
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This is the ONLY Company that issues
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Further information relative to the
plans of the Company furnished on ap-
plication at office, Hollis St.
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