

The Gleaner.

JAS. A. CROCKETT, Proprietor.

FREDERICTON, TUESDAY, SEPTEMBER 23, 1884.

VOL. I, NO. 61.

Professional Cards.

GREGORY & BLAIR,

Barristers and Attorneys-at-Law,
NOTARIES PUBLIC,
FREDERICTON.

GEO. F. GREGORY. ANDREW G. BLAIR.
Fredericton, March 28th, 1883

J. H. BARRY,

BARRISTER-AT-LAW,
CONVEYANCER; &c.
FREDERICTON.

OFFICE:—FISHER'S BUILDING, (up stairs),
December 12, 1883.

J. M. O'BRIEN

ATTORNEY-AT-LAW,
Conveyancer, Notary Public, &c.
—AND—
LIFE INSURANCE AGENT.

CLAIMS PROMPTLY COLLECTED.
OFFICE: NEAR CUSTOM HOUSE, WATER STREET.

BATHURST, N. B.

Bathurst, Nov. 21st, 1883.—1 yr.

Business Cards.

F. St. John Bliss

LAND SURVEYOR
Fredericton, N. B.

Residence, corner of St. John and Brunswick
Streets.
Fredericton, July 8th—3 m

QUEEN HOTEL,

Fredericton, N. B.

J. A. Edwards,

PROPRIETOR.
FINE SAMPLE ROOM IN CONNECTION.

—ALSO—
A FIRST-CLASS LIVERY STABLE.

Coaches and trains and boats.
Aug. 25, 1882.

JAMES C FAIREY,

Auctioneer & Commission Agent,
Newcastle, Miramichi.

Prompt Returns made on Goods on Com-
mission.
Newcastle, Nov. 21st, 1883.—1 yr.

Michael Donohue,

BLACKSMITH,
HARVEY STATION, York Co.

Wagon Work, Sled Shoeing, Horse Shoeing, Etc.
promptly done at moderate rates.
Feb. 2, 1883.

R. SUTHERLAND, Jr.

MANUFACTURER OF
SCHOOL DESKS,
SCHOOL FURNITURE,
CHURCH FURNITURE,
OFFICE FURNITURE.

Merit Books and Cards used in Public Schools,
and authorized by the Board of Education,
Price \$4.00.

All orders will receive prompt attention,
General Repairing and Jobbing promptly attended

QUEEN STREET,

Fredericton - N. B.

FREDERICTON

MONUMENTAL WORKS,

Queen Street,
JUST ABOVE REFORM CLUBROOMS.

The Subscriber begs to inform the Public that
he is prepared to execute all sorts of
Plain and Ornamental

MONUMENTS, TABLETS,

Fence Stones and Posts.
First Class Material and Workmanship
guaranteed.

JOHN MOORE,

Fredericton, Sept. 1.

PICTURES COPIED

AND
ENLARGED
IN
India Ink, Crayon or Oil and
Water Colors, at
G. W. SCHLEYER'S

Photograph Establishment,
OPPOSITE NORMAL SCHOOL,
FREDERICTON.

Orders Promptly Attended to
apl25

D. BREEZE,

WHOLESALE AND RETAIL
GROCER,
Wine and Spirit
Merchant,
No. 1 KING SQUARE,
SAINT JOHN, - N. B.
Saint John, N. B., Aug. 25, 1882.

"NONPAREIL"

Billiard Hall
SHARKEY'S BUILDING,
OPP. OFFICERS' BARRACKS, QUEEN ST.,
FREDERICTON, N. B.

T. E. FOSTER,

Proprietor
THIS HALL has been newly fitted up and
handsomely furnished, and for room, light,
ventilation and rest, compares most favorably
with any Billiard Hall in the Dominion. The Bill-
iard and Pool Tables are procured by players to
be superior to any now in use in this Province.
They are the BRILLIANT NOVELTY, size, 4 x 9
feet.

The main object in the construction of the Bill-
iard Novelty, and the one most noticeable, is that
it embodies all the more salient or most important
features that have rendered popular all the respec-
tive styles of tables of this class. The "Nonpareil"
Table, the "Brilliant" is a happy combination
of all these celebrated styles, and immediately takes
the foremost place in the estimation of all players
of Billiard and Pool Tables. The "Novelty" is fin-
ished and handsomely inlaid in many different
colors, made up from California Laurel, Best Ash,
French Walnut, Bird's Eye Maple, Mahogany,
Rose Wood, Tulip Wood and Ebony. It is sup-
plied with the finest of Vermont Slate bed, Siniton
Cloth, and a first-class outfit of everything neces-
sary.

A call is respectfully solicited from lovers
of the game.
Days under sixteen not allowed in the Hall.
Temperance drinks of all kinds, Cigars, etc.

T. E. FOSTER,

Proprietor.

Lime. Lime!

JUST RECEIVED,
EXTRA No. 1
Green Head
LIME,
ALSO:
Calcined Plaster,
ALSO IN STOCK,
Buckwheat Kenell,
Shorts, Bran
and Oats.
LIME & SEED SPECIALTIES,
—AT—
W. E. MILLER & Co.'s
FEED AND SEED HOUSE,
QUEEN STREET, OPPOSITE PEOPLE'S BANK

See Our Prices.

FURNITURE IS FALLING.
100 Lounges, 15 Easy Chairs,
37 CHAMBER SUITES,
22 CENTRE TABLES.
Please, Call and, you can be Satisfied.
J. G. McNALLY.

PARLOR SUITES

Put it to Order.
And finished in any kind of Covering desired.
Satisfaction guaranteed.
J. G. McNALLY.

NEW GOODS AT REDUCED

PRICES.
JUST RECEIVED:—
110 DOZ. Milk Pans, 95 doz. Rockingham
Teapots, 25 doz. Cresson Crocks, 2
doz. Preserver Jars, 100 doz. Flower Pots, 5 doz
Cake Pickers, 5 doz. Bean Pots.
Wholesale and Retail, Lower than St. John
prices.
J. G. McNALLY.

Meakin's White Granite.

9 CRATES, just received direct from the Pot-
tery.
J. G. McNALLY.
Fredericton, May 28th, 1884.

CHATHAM LIVERY STABLE.

ANGUS ULLOCK,
Duke Street, Chatham,
MIRAMICHI.

First-Class turnouts; stock fresh. Particular at-
tention given to family carriages.
Chatham, Nov. 21st, 1883.—1 yr.

Haying Tools.

A LARGE and well assorted stock of Haying
Tools for sale low, Wholesale and Retail by
JAMES S. NEILL.
Steel and Iron Cut Nails
AT FACTORY PRICES,
AT
JAMES S. NEILL'S.

HARVEY'S STUDIO,

Next Door Below People's Bank & Opp. Randolph's.
WILL OPEN ON THURSDAY
A First-Class Photograph Gallery
I have purchased a complete set of instruments,
THE LATEST SCENERY
I have also one of the finest North Lights in the
Province. Having worked in one of the leading
firms in New York, I am now in a position to do
the finest and best work ever done in the Photo-
graph business in this city.

CALL AND SEE FOR YOURSELVES.
Leave your Orders Early.
JOHN HARVEY.
Fredericton, May 30th, 1884.

BUY WHERE

YOU CAN GET
THE BEST VALUE
FOR YOUR MONEY.

THOS. W. SMITH

Is now offering greater inducements to
CASH PURCHASERS.
You can buy Ready-Made Clothing, Men's
and Boys' Boots and Shoes, cheaper at THOS.
W. SMITH'S
Clothing & Gents' Furnishing Store,
Than at any other place in the city.
Call and see for yourselves.
Hats, Caps, Trunks and Valises,
At prices the lowest in the market.
Call, See and Examine, so as you will be con-
vinced before purchasing elsewhere.

CUSTOM TAILORING

Done in all its branches and every satisfac-
tion guaranteed.
Always on hand, one of the largest
and best stocks of CLOTHES of all descrip-
tions in the market to select from. LATEST
FASHIONS EVERY MONTH.
Call and examine and you will be
convinced.

THOS. W. SMITH.

Fredericton, July 30, 1884.

CHOICE CLARET,

ETC., ETC.

Just Landing:

50 Cases
CHOICE CLARET
100 Barrels
Bass Ale,
QUARTS AND PINTS.
100 Barrels
Guinness' Porter,
QUARTS AND PINTS.
100 Cases Burke's Irish Whisky,
Quarts, Pints and Half Pints.
FOR SALE LOW BY
LEE & LOGAN,
SAINT JOHN, N. B.

Great Offers. '84 Spring '84

NEW GOODS
on hand and to arrive at

HALL'S

BOOK STORE,
FREDERICTON.

SUNDAY SCHOOL

LIBRARIES,
Selected by men of great experience,
from the most reliable Publishing
Houses in London, New
York and Boston.

THESE BOOKS WILL BE FOUND
especially adapted to the wants of
SABBATH SCHOOL SCHOLARS
AND
TEACHERS,
And will be sold at the LOWEST RATES
FOR CASH.

Remember, these chances do
not often occur, but when they do,
let not the chance pass. You must
keep your children interested; to do
that you must have Good Books.

REMEMBER THE PLACE:
M. S. HALL,
FISHER'S BUILDING.

SCHOOL BOOKS

OF ALL KINDS,
Used in the Grammar, High and
Common Schools; also,
A full Supply of College Books.
In fact this is known as the Seat of Learning
for Fredericton.
Greater Bargains Than Ever
can be obtained by coming direct to
HALL'S BOOK STORE.

DO YOU WANT

TO OBTAIN A
Mason & Hamlin
ORGAN?

You can do so very easily by going to
M. S. HALL,
Who will give you full particulars
THESE ORGANS
Are Warranted for Fifteen Years.

Not one has ever been returned by
giving out.
They stand the change of climate,
heat or cold.
Don't let yourself be imposed
upon by any of the instruments now
hawked about the country.
A GOOD STOCK OF
VIOLINS,
ACCORDEONS,
CONCERTINAS,
FIFES, FLAGEOLETS,
And MOUTH ORGANS.
VIOLIN STRINGS.

HOUSE PAPER!

For the remainder of the season, I
will sell the balance of my stock of
HOUSE PAPER
At Greatly Reduced Prices!
Now is a favorable time to secure the Best
Paper at the Lowest Prices. The like may
never occur again.
M. S. HALL.
Sheet Music. Music Books.
Piano Instruction, Organ Instruction,
Violin Instruction, Guitar Instruction,
Accordeon Instruction.

HALL'S BOOK STORE

FREDERICTON.
Aug. 2, 1884.

CATTLE FEEDING.

Results of the Experiments Made at the
Model Farm, Guelph.

In November last, Prof. Brown, of the
Experimental Farm, Guelph, commenced
a series of experiments in feeding cattle
and sheep, and he has just published an
advance notes of the result of the work,
which are of surpassing importance in
livestock matters. Brown's experiments
were as thorough as it were possible to
make them, and their results are given
in a clear and concise manner. For some
of the experiments 21 half-bred shorthorn
steers, averaging exactly 24 months at
the finish, were used all of them being
treated alike. Every article of food was
weighed before each meal as was also the
water, and then the unconsumed food
was weighed at the conclusion of each
meal. All grain was ground into rough
meal, and hay was given whole, except
in cooking and roots when sliced. The
animals were fed five times daily, at 7.30
and 11.30 a. m., and 2, 5, and 8 p. m.,
rock salt always being in their mangers,
and were exercised half an hour each
day.

The experiment in giving mixed food,
consisting of hay, roots, grain and bran,
showed that a steer averaging 1,171 lbs.
consumed daily 91-10 lbs. hay, 20 lbs.
turnips, 4 lbs. bran, 37 lbs. water,
with 93 lbs. of corn, peas, oats, white
barley in equal parts by weight—in all
431 lbs. of fodder and grain daily. This
rate of consumption was equal to four
per ct. daily of the animal's weight. The
highest daily rate of increase was 34 lbs.
fully, and the mean for the whole period
was 24 lbs. nearly. The daily consump-
tion of 37 lbs. of water was nearly equal,
weight for weight, with regular food—the
highest daily weight of water being 46
lbs., the lowest 26 lbs. The demand for
water was distinctly less during the cold,
and most during warmer weather—turn-
ings being equal. The reduction of tur-
nips to nearly one-third the usual amount
caused the animals to consume twelve
per ct. more hay, and twelve per ct.
more grain. The consumption of turnips
more or less, did not seem to effect that
of water to any marked extent. When
9 lbs. turnips were given per day in a
mean temperature of 55 deg. the ad-
ditional nineteen per ct. of water drank
was, by all other comparisons, owing more
to temperature than to wants of turnips.
With the temperature averaging 50 deg.
and a ration of 15 lbs. turnips a day, the
animals drank about an average quantity
of water. The cost of adding one pound
to the weight by this method of feeding
amounts to 84 cents charging grain at one
cent; hay one half cent; roots one sixth
cent; and bran one half cent per lb.

A mixture of oil cake with grain, etc.,
showed that the average steer, among
twenty-one head weighing 1,172 lbs., con-
sumed daily 77-10 lbs. of hay; 20-12 lbs. turnips;
4 lbs. bran, and 13 lbs. each of corn, peas,
oats and black and white barley, in ad-
dition to 31 lbs. of oil cake. Every day, on
an average, each animal drank as much
as 40 lbs. water—most in the highest
mean temperature, with two-thirds
rations of turnips, and least during low-
est temperature, with full rations of roots.
The daily increase per head, was almost
exactly 2 lbs. Twenty-one animals,
throughout a period of one hundred and
ninety six days, indicated very clearly
that they required five per cent. less hay,
and fully five per cent. less grain, when
3 lbs. of oil cake per day were added to
their ration. The greater quantities of
grain and hay were consumed when more
water and fewer roots were used—tem-
perature being considered. The cost of
production, by giving oil cake with a
mixture of grain, amounted to 114 cents
per pound of the added live weight.

Tests were made with corn fodder, cov-
ering a period of 196 days. The average
steer of 1,170 lbs., in a batch of twenty-
one, consumed daily fully 9 lbs. hay, 20
lbs. turnips, 4 lbs. bran, and 91 lbs.
corn; at the same time drinking, on an
average, 33 lbs. of water. The daily rate
of increase was 24 lbs. During a mean
temperature of 43 deg. in a stable, tied
up cattle drank more water, weight for
weight, than the hay they consumed.
One third ration of turnips, with fifteen
per cent. more hay and twenty per cent.
more corn, in a mean temperature of 55
deg., gave the second highest rate of in-
crease under this head. It cost fully
eight cents for every pound added to the
live weight of the average cattle beast by
this method of feeding.

The experiments made with peas
showed that the average steer, weighing
1,163 lbs., consumed daily 8-10 lbs. hay,
19 lbs. turnips, nearly 4 lbs. bran, and
exactly 9 lbs. of peas. Twenty-one ani-
mals during 196 days have recorded a
daily increase per head by such feeding
of 1-10 lbs. During the whole period
with peas the animals were more thirsty
and drank water more regularly than
any others over the series of experiments,
and irrespective of temperature more
than others. The food cost of adding
one pound to the live weight by this pro-
cess was exactly eleven and a half cents.

In testing the usefulness of oats in
cattle feeding experiments demonstrated
that the consumption of food per head
per day with an average animal of 1,186
lbs., consisted of 8-10 lbs. hay, 20 lbs.
turnips, almost 4 lbs. bran, and 9 lbs.
oats. The rate of increase throughout
amounted to 13 lbs. Equal oats and hay

by weight in the feeding of store cattle
have made a record of fully 13 lbs. per
head per day, and the amount of turnips
in the diet does not appear to materially
affect the results. Twenty per cent.
more oats and ten per cent. more hay,
with one third rations (25 lbs.) of roots
in a mean temperature of 55 deg. gave
one-seventh more daily increase than the
average of all the period. It cost ten
and a half cents to add one pound to the
live weight of the cattle under this trial.

A mixture of white barley with other
fodder showed as follows:—A store steer
that averaged 1,166 lbs. during the ex-
periment, consumed daily 9 lbs. hay, 20
lbs. turnips, 4 lbs. bran, and 9-10 lbs.
common barley, along with 35-18 lbs. of
water, in a mean temperature of 43 deg.
from November to May. Under these
conditions it gained in weight at the rate
of 1.88 lbs. daily, ranging from 34 lbs. per
day to exactly 1 lb. as the lowest. It took
9 lbs. hay (timothy two parts and one part
red clover) 23 lbs. swede turnips, 4 lbs.
wheat bran, and 9 lbs. ground oats to add
one pound to the live weight of a steer
averaging 1,166 lbs. during a trial of 196
days in a mean temperature of 43 deg.,
when also 35-13 lbs. of water were drunk
daily. It cost ten and one-tenth cents
per pound of the added live weight by
this experiment.

A mixture of black barley gave the fol-
lowing results:—The average steer, in
this case, weighed 1,172 lbs., and eat daily
almost 9 lbs. hay, 19 lbs. turnips, 4-10
lbs. of bran, and 83 lbs. black barley. The
water used in this test averaged 34 lbs.
per head per day, and varied consid-
erably, as affected by temperature and
amount of food consumed. The cost of
producing the 1 lb. to the live weight
amounts to eleven and three-quarter
cents.

The tests made with cooked food showed
that the average steer of 1,028 lbs.,
consumed daily the following food un-
cooked 91 lbs. hay, 32 lbs. turnips, 5-9-10
lbs. bran, and 84 lbs. mixed meal.

Upon these it made an average daily in-
crease of 2-1-7 lbs. The cost of produc-
tion was exactly 94 cents per pound of
animal increase.

By feeding cooked food it was shown
that the average steer entered at 964 lbs.
and came out at 1,108 lbs. in fifty-six
days, thus adding 256 lbs. per day, upon
91 lbs. of hay that was cooked by steam-
ing, 46 lbs. turnips, also steamed, with
5-9-10 lbs. of bran steamed, in addition to
9 lbs. of a mixture of grain that was not
cooked. Hay gained 100 per cent. by
steaming, bran fully more so, and turnips
lost seven per cent. It cost nine cents
per pound for every pound added to the
live weight, no allowance being made for
the expense of cooking.

The experiment of feeding on hay,
turnips and bran demonstrated that the
average steer weighing 866 lbs. consumed
daily 12 lbs. hay, almost 35 lbs. turnips,
and 84 lbs. bran, with 25 lbs. water, in-
creasing 18-10 pounds per day. The cost
to produce the additional one pound live
weight was fully 9 cents. During the
whole period of one hundred and ninety-
six days the mixture of grain with oil
cake used most water, practically 40 lbs.
per head per day; Thorley's condiment
is second, peas third, the mixture itself
fourth, and nearest the average of the
whole (37 lbs.); white barley fifth; black
barley sixth; oats, seventh, and corn
the least of any, about 33 pounds. It seems
somewhat contradictory that the animals
on cooked food took more water than
those receiving uncooked, and that when
hay, roots, and bran alone, formed a ration
they did not consume more than 22 lbs.
of water per head per day. In the case
of grain feeding the extremes of water
used were 61 lbs. per head per day in No-
vember, with black barley, and the same
ration in January has the minimum of
22 lbs.

The following table will show, almost
at a glance the comparative results of
the different tests mentioned:—

Food.

Average weight
of steers at
beginning of
experiment.
Daily Rate
of Increase.
Cost of adding
one pound to
live weight.

Mixture of Grain..... 1171 24 84
Mixture with Cake..... 1172 25 84
Mixture with Thorley..... 1163 25 84
Corn..... 1170 24 84
Peas..... 1186 24 84
Oats..... 1186 24 84
B. Barley..... 1172 18-5 110
Hay, Root and Bran..... 1028 21-7 94
Uncooked..... 1166 14-5 9
Cooked..... 1166 14-5 9

For rapid production, irrespective of cost
in the winter feeding of cattle, we have
then (1) uncooked food, (2) mixture of
grain with Thorley, (3) corn, (4) the
mixture itself followed by (5) hay, roots
and bran, (6) mixture of grain with cake,
(7) white barley, (8) cooked food (9) oats
and peas and black-barley equal.

For rapid and cheap production com-
bined, corn is decidedly ahead; then the
mixture of grain followed by uncooked
food, and hay roots bran; all the others
are above the average, both in cost of
production and slow rate of production.

The grand average of daily rate of
increase and cost of introduction is 2 lbs. at
ten cents per pound.

Experiments were also made in the ma-
turing of crosses in cattle, feeding sheep,
etc., which will be referred to in a future
issue. A paper, by Prof. McMurrich, on
"The Influence of Food on Wool" is of
interest to stock raisers, and a digest of
it will be given at no distant day.

REMNANTS!

In Prints, Cottons, Ducks, Tickings and
Swansdowns, Hollands, Towellings,
Tweeds and Shirtings.

OWEN SHARKEY,

SHARKEY'S BLOCK
GENERAL INSURANCE
TICKET AGENCY.

Insurance effected on all kinds of
buildings.
ISOLATED RISKS AT SPECIAL THREE
YEAR RATES.
Tickets issued direct to all Points
North, South, East and West.

Hard and Soft Coal always on hand.
JOHN RICHARDS & SON,
City Agency New Brunswick Ry.
July 26th, 1884.

MOUSE TRAPS.

2 GROSS Cyclone Mouse Traps, probably the
best mouse trap ever invented, immedi-
ately he touches the tempting bait, the fatal wire
drops and another mouse is made, another victim
of this latest and most successful method of the silent ma-
jority.

1 Box, patent English Cement.
1 Case American Files, assorted.
1 Case American Cutlery.
1 Fire Cloth, assorted numbers.
1 Galvanized Iron Wire Clothes Lines.
Just to hand and for sale by
R. CHESTNUT & SONS.
Sept. 3, 1884.

R. COLWELL,

FREDERICTON.

Carriages, Wagons,

SLEIGHS and PUNGS
Built to Order
IN THE LATEST AND MOST
DURABLE STYLES.

Material and Workmanship
of the best.
PARTICULAR ATTENTION GIVEN TO
Painting, Trimming and Repairing
CARRIAGES, &c.
Terms, &c., to give satisfaction.

FACTORY:

King Street, - Fredericton.
Fredericton, September 3, 1884.

Itching Piles—Symptoms and Cure.

The symptoms are moisture like perspi-
ration, intense itching, increased by scratch-
ing, very distressing, particularly at night;
seems as if pin-worms were crawling in and
about the rectum; the private parts are some-
times affected. If allowed to continue very
serious results may follow. "SWAYNE'S
OINTMENT" is a pleasant, sure cure. Also,
for Tetter, Itch, Salt-Rheum, Scald-Head,
Erysipelas, Barber's Itch, Boils, all scaly,
crusty Skin diseases. Box, by mail, 50 Cts.
3 for \$1.25. Address, DR. SWAYNE & SON
Phila., Pa. Sold by Druggists.