

NOTICE

HOW ARE YOU GOING
TO HEAT YOUR HOUSE
NEXT WINTER?

HOT WATER
OR
HOT AIR?

If you are going to—PUT
IN THAT BATH ROOM—this
summer, don't fail to get our
price.

HEADQUARTERS FOR
Pumps, Cylinders, Sinks, Pipe
and Fittings, Eavetroughing,
and Repairing of all kinds.
No job too big and no job
too small.

Prices Right. All Work Guaranteed

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CHANTRY FARM
SHORTHORN CATTLE and LINCOLN
SHEEP SOLD OUT

Will buy any number of registered or
good grade Lincoln ram lambs or year-
lings for immediate or September deliv-
ery, write or phone.

ED. de GEX Kerwood

INSURANCE

J. H. HUME.

AGENT FOR
FIRE, ACCIDENT AND SICK BENEFIT
COMPANIES.
REPRESENTING
Five Old and Reliable Fire Insurance
Companies

If you want your property insured,
call on J. H. HUME and get his rates.

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Loan and Saving Co.

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to all points in Manitoba, Northwest
and British Columbia

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Farmers' Mutual Fire Insur-
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(Established '91 1875)

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I. F. ELLIOT FIRE INSPECTORS
ROBERT J. WHITE
ALEX. JAMIESON AUDITORS
P. J. MCLEWEN
W. G. WILLOUGHBY, MANAGER and
Watford. SEC. TREASURER
PETER McPHERDAN, Wanstead P. O.
Agent for Warwick and Plympton.

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WATFORD - ONTARIO

GOOD WORK

PROMPT ATTENTION

REASONABLE PRICES

SATISFACTION GUARANTEED

ESTIMATES FURNISHED

RESIDENCE—ST. CLAIR STREET

GRAND TRUNK RAILWAY
SYSTEM
TIME TABLE

Trains leave Watford Station as follows:

GOING WEST

Accommodation, 75.....8 44 a.m.

Chicago Express, 13.....1 16 p.m.

Accommodation,6 44 p.m.

GOING EAST

Accommodation, 80.....7 32 a.m.

New York Express, 8.....11 16 a.m.

New York Express, 15.....2 52 p.m.

Accommodation, 112.....5 16 p.m.

C. Vail, Agent, Watford

Columbia Dry Batteries



REMEMBER there are
differences in dry cells,
just as there are differences
in the engines, bells and tele-
phones that the dry cells run.
Play safe and buy standard
Columbia Batteries. Buy them
here where you get them fresh,
and full of pep and power.

Sold by
T. DODDS & SON

Tunnel Would Pay for Itself.
It has been proposed to construct a
railway tunnel under the Firth of
Forth, Scotland, paralleling the famous
bridge now spanning that body of
water, and to pay for the tunnel by
making it largely a coal mining propo-
sition. Mining engineers point out
that coal is now being mined on both
sides of the firth from the same seams
and that much of this excavating is
done under water. At this point the
estuary is only about two miles wide
and it is contended that a continuous
passage could be made beneath it by
properly co-ordinating the mining op-
erations. In this way what would
otherwise probably prove to be too
costly an improvement could be made
with profit.

Clocks That Time Speeches.
On the speaker's desk in the United
States house of representatives is a
little clock-like machine with a dial
graduated in minutes from one to six
and a single hand that goes once round
the dial in six minutes. This is started
and stopped by a tiny lever at the top.
The speaker uses it in timing members
in a debate wherein the speeches are
limited.

The inventor, C. H. Graves of Phila-
delphia, designed it for keeping time
on long-distance telephone calls, which
are limited to three minutes. At the
bottom of the dial is a scarlet mark.
When you get your connection over the
wire you press the little lever,
which stands at 0, and set the machine
going. When the pointer is approach-
ing the red mark you know your time
is rapidly drawing to a close.

It is astonishing how few persons
have any idea how long three minutes
are. Nine out of ten will hurry their
long-distance calls so that they use
far less time than they pay for.

Tea in India.
For years past India, the great tea-
producing and exporting country, has
received large imports of tea from other
countries. The imports have con-
tinued and even increased during the
war, in spite of the glutting of the
market with Indian tea, owing to the
shipping restrictions. The imports are
mainly low-grade teas, which are
"transformed" into Indian teas by mix-
ing with the genuine article. The bulk
of the imports are from China, the
Shan States, Ceylon and Java; but it is
curious to learn that last year 16,000
pounds of tea went to India from the
United Kingdom.

Oyster Farms.
One of the large salt-water farms of
Japan consists of 50 square miles cov-
ered with 5 to 15 fathoms of water.
Here the pearl farmer plants rocks
and stones which are soon covered
with oyster spat. The oysters are
then left in special beds until the
third year. When they grow large
enough, a tiny speck of irritating sub-
stance is introduced into the bodies
of these oysters and three or five years
more are necessary for the foreign
substance to become hidden in the
layers of nacre which make up the
pearls.

The Girl Scouts in various parts of
the country have embarked on the task of
training women and girl war workers in
housekeeping.

CASTORIA

For Infants and Children
In Use For Over 30 Years
Always bears
the
Signature of *Dr. J. C. Watson*

MAKING OF ICE CREAM

Food Control Board Permits But
10 Per Cent. Fat.

A Recipe That Has Proven Successful
—Stake Vines and Trim Leaves
to Grow High-Colored Tomatoes.

(Contributed by Ontario Department of
Agriculture, Toronto.)

A GREAT many inquiries have
recently come to the Dairy
Department of the Ontario
Agricultural College regarding
the new regulation from the Canada
Food Board with reference to the
manufacture of ice-cream, and also,
as to methods of testing ice-cream
for fat.

Order No. 34, section 8, issued by
the Canada Food Board reads: "On
and after May 1st, 1918, no person
in Canada shall use in the manufac-
ture of ice-cream more than 10 per
centum of fat, whether of animal or
of vegetable origin; or more than
six pounds of cane sugar, to eight
gallons of ice-cream."

As a result of recent investigations
made in the Dairy Department of the
O. A. College, by Messrs. McMillan,
Furfit, and Miss Miller, of the Dairy
Staff, we can recommend the follow-
ing formula or recipe, for a batch or
mix which will produce about eight
gallons of plain ice-cream of good
quality and which will come within
the regulations as laid down by the
Food Board:

4 1/2 lbs. (4 1/2 gallons) cream test-
ing 18% fat.
1 1/2 lbs. skim milk powder.
6 lbs. cane sugar—1 1/2 lbs. sugar
may be replaced with 2 lbs.
corn syrup.
4 ounces vanilla extract.
8 ounces gelatin dissolved in 6
lbs. (1/2 gallon) skim milk.

The cost of the ingredients in this
formula will range from 53 to 67
cents buying in small quantities. If
bought wholesale, the cost would be
less.

If whole milk and cream are used,
mixing equal quantities of these will
produce an ice-cream testing in over
ten per cent. fat, assuming that the
milk and cream are of average fat
content—3.5 and 18 to 20% fat
respectively.

Three Methods of Testing Ice-Cream
for Fat.

It is necessary for the ice-cream
maker to test his ice-cream occa-
sionally, and the following methods
will give satisfactory results if care-
fully carried out:

1.—The Glacial Acetic and Hydro-
chloric Acid Test.

A representative sample of the ice-
cream is taken and melted and thor-
oughly mixed; a 9-gramme sample
is weighed into an 18-gramme Bab-
cock cream test bottle. A mixture
is prepared using equal parts of
glacial acetic acid and concentrated
hydrochloric acid. Twenty cubic cen-
timeters of this acid mixture is added
to the 9-gramme sample of ice-cream
in the test bottle, and is then all
well shaken. The bottle is placed in
a water bath of 120 to 130 deg. F.,
and shaken at intervals until a brown
color appears. It is then placed in
the Babcock centrifuge and the test
completed in the same way as for
testing cream and the reading multi-
plied by two.

2.—The Sulphuric Acid Test.

To make the test with sulphuric
acid, a 9-gramme sample is weighed
into an 18-gramme test bottle. About
9 cubic centimeters of luke-warm
water is then added to dilute the
sample, in order to have about 18
cubic centimeters of mixture in the
bottle. The sulphuric acid is then
added slowly, a little at a time, at
minute intervals, shaking well after
each addition until a chocolate brown
color appears in the bottle. No deni-
cate amount of acid can be added, as
the quantity will vary with different
ice-creams. As soon as the chocolate
brown color appears in the ice-cream
a little cold water may be added to
check the action of the acid. The
bottle is then placed in the centrifuge
and the test completed in the usual
way. The reading is multiplied by
two.

3.—Acetic and Sulphuric Acids.

Weigh a 9-gramme sample of ice-
cream that has been thoroughly mix-
ed. About 9 cubic centimeters of
water is then added to dilute the
sample. Add 5 cubic centimeters of
acetic acid and then add carefully 8
to 8 cubic centimeters sulphuric
acid. Centrifuge, and then add water
the same as in other tests. If using
an 18-gramme bottle multiply the
reading by two, to obtain the per
cent. fat in the ice-cream. A
9-gramme bottle which is graduated
to give the percentage of fat direct-
ly needs no correction when reading.
—Prof. H. H. Dean, Ontario Agricul-
tural College, Guelph.

To Grow Tomatoes Most Successfully.

If you are growing tomatoes to a
single stem, be sure to remove all
side shoots before they become of
any size. All the extra food which is
used in their growth is wasted
and the breaking off of large shoots
injuries the plants. When August
15th comes it is well to nip off all
growing ends so that the fruit will
finish ripening, also open out the
plant, if very thick, to allow the sun-
light in.

When first fruits begin to ripen,
apply nitrate of soda—a teaspoonful
in a watering can, full of water, to
the plants twice a week to make a
strong manure, and use it instead.

These are more especially valuable
after the growth has been stopped.

Keep a dust mulch around the
plants. If the weather is very dry,
soak the ground around them thor-
oughly in the evening, then make a
new mulch in the morning.

When the first fruits in staked
tomatoes are beginning to color, re-
move one-half of each leaf. This will
hasten the ripening. Sunlight is ne-
cessary for rapid ripening.

Leave only growth enough on your
plants to carry what fruit will ripen
before frost. There is no use in al-
lowing more to set than will be of
use to you and the fruits you leave
will be larger. — A. H. MacLennan,
Ontario Vegetable Specialist.

Bird Guided by Magnetism?

One of the many explanations that
have been offered to account for the
fact that migrating birds are able to
find their way by night and in cloudy
or foggy weather is that they are sen-
sitive, in some way, to currents of ter-
restrial magnetism, and therefore di-
rect their flight by the magnetic
meridians. This suggestion was put
forth by M. A. Thauzies, a French
pigeon fancier, who declares that car-
rier pigeons make poor flights during
the occurrence of magnetic storms. He
also asserts that the general use of
wireless telegraphy has diminished the
reliability of these birds to a surpris-
ing extent.—Popular Science Monthly.

School Children Are Underfed.

Of the 1,000,000 school children in
New York city 110,000 are undernour-
ished and in need of attention, while
the condition of 500,000 others is only
"passable," according to Dr. Henry
Dwight Chapin, head of the children's
division of the Postgraduate hospital.
This medical man said much of the
malnutrition of children is caused by
poor prices. He said that the dispar-
ity between wage increases and the
mounting cost of food has caused
mothers to give their children tea and
coffee instead of milk, which had in-
creased from 9 to 15 cents a quart in
the last year.

More Conservation.

The following recipe for army
pudding should be turned over to
the conserving public:
The remainder of Tuesday's apple
sauce mixed with what was left of
Wednesday's peach cobbler. Stir well
and add the leavings from Thursday's
tapioca. Add all of Friday's vanilla
cake that was not used. Place in
clean pans and serve rapidly on
Saturday.—Trench and Camp.

Will Retain Old Flag.

The new Russian will retain the
old flag, which has three horizontal
stripes—white, blue and red. A few
years ago the Imperial emblem, a
black eagle on a yellow field, was
placed in the upper left-hand corner
of the flag, but the Provisional Gov-
ernment has ordered that it be re-
moved.

Canadian National Exhibition

Aug. 26 TORONTO Sept. 7

300,000 admissions sold first
day of advance sale. Come
with the crowds to the great-
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history of the C. N. E.

"The Heroes of Britain"

A production of tremen-
dous force and beauty,
with 1200 participants.
All the colorful parapher-
nalia of romance and his-
tory in the making. In-
spiring, dramatic—
a spectacle every Canadian
should see.

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Giant livestock and agricultural display—
Government exhibits—demonstrations of voca-
tional training by 50 crippled heroes—farming
on factory lines: colossal exhibits of labor-
saving devices—Government patriotic food
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exhibits of fine arts—AND A WORLD OF
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A Woman's Burden

are lightened when she turns to the right
medicine. If her existence is made
gloomy by the chronic weaknesses, deli-
cate derangements, and painful disorders
that afflict womankind she will find relief
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Dr. Pierce's Favorite Prescription. If
she's overworked, nervous, or "run-
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It's a powerful, invigorating tonic and
nervine which was discovered and used
by an eminent physician for many years,
in his large medical practice among
women. For young girls just entering
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the "Favorite Prescription" is the only
medicine put up without alcohol, and can
be had in tablet as well as liquid form.
It's not a secret prescription for its in-
gredients are printed on wrapper. Send
10c for trial package to Dr. V. M. Pierce,
Invalids' Hotel, Surgical Institute, Buf-
falo, N. Y., or branch in Bridgeburg, Ont.
Hamilton, Ont. — "When passing
through middle life, as in most cases of
this kind, I began to fail in health. I
had severe pains in my head, dizzy spells,
my back ached and I had pains in my
side. I became very weak and nervous.
I took medicine without getting relief
until I took Dr. Pierce's Favorite Pro-
scription and this medicine built me up
in health and strength and I came through
this critical period in a good healthy
state. Women will find Dr. Pierce's
Favorite Prescription very helpful dur-
ing this trying time."—Mrs. SARAH
CAPES, 106 Robins Ave.

MEN WHO ENLISTED IN

149 BATT. AT WATFORD

Lieut. W. H. Smyth, Headquarters
Ottawa.
Lieut. R. D. Swift, Scout Officer.
Sergt. W. D. Lamb
Sergt. M. W. Davies
Sergt. S. H. Hawkins
Sergt. E. A. Dodds
Sergt. W. C. McKinnon
Sergt. Geo. Gibbs
Sergt. M. Murphy
Sergt. C. F. Roche
Corp. W. M. Bruce
Corp. J. C. Anderson
Corp. J. Menzies
Corp. S. E. Dodds
Corp. H. Cooper
Corp. C. Skillen
Corp. C. E. Sisson
L. Corp. A. I. Small
B. Q. S.—B. C. Culley
C. Q. S.—C. McCormick
Pte. Frank Wiley.
Pte. A. Banks
Pte. F. Collins
Pte. A. Dempsey
Pte. J. R. Garrett
Pte. H. Jamieson
Pte. G. Lawrence
Pte. R. J. Lawrence
Pte. C. F. Lang
Pte. W. C. Pearce
Pte. T. E. Stilwell
Pte. A. H. Lewis, Band
Pte. G. A. Parker
Pte. A. W. Stilwell
Pte. W. J. Saunders
Pte. Bert Saunders
Pte. A. Armond
Pte. W. C. Aylesworth, Band
Pte. R. Clark, Bugler
Pte. S. L. McClung
Pte. J. McClung
Pte. C. Atchison
Pte. H. J. McFeley
Pte. H. B. Hubbard
Pte. G. Young
Pte. D. Bennett
Pte. F. J. Russell
Pte. E. Mayes
Pte. C. Haskett
Pte. S. Griffith
Pte. W. Palmer
Pte. H. Thomas
Pte. F. T. Thomas
Pte. B. Trenouth
Pte. E. A. Shaumessy
Pte. W. Zavitz
Pte. W. J. Sayers
Pte. Lot Nichols
Pte. John Lamb
Pte. Eston Fowler
Pte. E. Cooper
Pte. F. A. Connelly
Pte. F. Whitman.
Pte. Edgar Oke.
Pte. White.
Pte. McGarrity.
Pte. Wilson.
Pte. Richard Watson, Can. Engineer
Pte. L. H. Aylesworth, Band.

Made the Supreme Sacrifice

WATFORD AND VICINITY
Lt.-Col. R. G. Kelly
Capt. Thos. L. Swift
Sergt.-Major L. G. Newell
Pte. Alfred Woodward
Pte. Percy Mitchell
Pte. R. Whallon
Pte. Thos. Lamb
Pte. J. Ward
Pte. Sid Brown
Pte. Gordon Patterson
Pte. F. Wakelin, D. C. M.
Pte. T. Wakelin
Pte. G. M. Fountain
Pte. H. Holmes
Pte. C. Stillwell
Pte. Macklin Hagle
Sergt. Clayton O. Fuller,
Gunner Russell Howard Trenouth.
Pte. Nichol McLachlan.
Corp. Clarence L. Gibson
Signaller Roy E. Acton.
Bandman A. I. Small