

MARCONI INVENTS NEW RADIO DEVICE

TO REVOLUTIONIZE PRE-
SENT METHODS.

Wireless Communication to
be Faster, Cheaper and Long-
er by Process Recently
Evolved.

The fact that he has devised a new
apparatus to revolutionize present
methods in wireless telegraphy has
been divulged by Marconi, who just
returned to England from an experi-
mental cruise in his yacht, *Electra*, off
the West African coast.

"I am convinced," he told a party of
M.P.'s in London, "that by means of
the new device which I have been
able to test communication by radio
will become more efficient, rapid and
economical than it is at present."

As it is well known that Marconi is
extremely reticent with regard to in-
ventions not as yet completed, this of-
ficial hint coming as to new develop-
ments in the wireless made a great
impression. Actual details of the in-
vention are not as yet available but it
is known that Marconi has succeeded
in transmitting messages up to dis-
tances of 2,250 miles not only with a
very much smaller amount of power
energy, but faster and much cheaper
than by existing methods.

By his new system he telegraphed
from Cape Verde islands, off equatorial
Africa, to Marconi House London, with
use of less power than an ordinary
message from Paris to London. He
has found out how to utilize waves
that have not been used before.

"By use of the new wave," he said,
"we have obtained a clearer communi-
cation from small stations than from
bigger stations. We were in a region
where atmospheric disturbance is bad,
and if messages had not been sent
through the new experimental plant
they would not have been received on
the yacht at all."

The famous wireless expert is con-
fident that the invention holds great
possibilities for the future of wireless.

"Even now," he said, "it should be
possible to transmit over 1,000 miles
with power as low as two kilowatts or
three to four horsepower, and with a
strengthening of signals."

The new receiving apparatus is simi-
lar to that in use at present, with only
slight modifications, and the special
value, apart from cheapening of costs,
is the fact that elimination of distur-
bances is insured from the transmitting
end by the employment of a new wave.

Living on Air.

Perhaps "living on air" will not, in
the near future, be so impossible as it
sounds.

We are told that the huge nitrate
deposits of South America cannot last
for an indefinite period, and that the
world will soon have to search else-
where for nitrate with which to fer-
tilize its cornfields.

For years past, chemists and scien-
tists of all countries have been seeking
a cheap method of manufacturing
"nitrates." It is a well-known fact that
the air which surrounds us is mainly
composed of oxygen and nitrogen, and
containing these two elements. Scien-
tists are seeking a process by means of
which these two gases will be sepa-
rated from the atmosphere, and made to
combine to form nitrates in large
quantities. The method, to be a com-
mercial success, would have to be ex-
tremely cheap.

When this comes about, and the
world draws its main supply of fer-
tilizers from the atmosphere, we shall
be able to say with perfect truth that
we are "living on air!"



Found a Use for Them.

Mr. Pester—"Where are my new
silk suspenders? I can't find them any-
where!"

His Wife—"You wear your old ones.
Can't you see, your new silk suspend-
ers exactly matched my dinner gown
and I've made a bodice of them!"

Strategy.

A tramp stopped at a farmhouse one
evening and asked for a job in return
for a night's lodging and meals. The
farmer put him to milking the cows,
but a few moments later the tramp re-
ported that the flies were so bad that
the cows would not stand still long
enough to be milked.

The farmer looked at his watch and
replied: "Wait about half an hour, till
supper time. The flies will all be in
the dining room then and you can milk
in peace."

Start a heaven of your own right
in your own heart.

SMOKE OGDEN'S CUT PLUG

15¢ per
packet
80¢ a
½ lb tin



If you
roll your
own,
ask for
OGDEN'S
FINE CUT
(green label)

Surnames and Their Origin

O'REILLY

Variations—Reilly, Rielly, O'Reilly,
Riley, Ryley, Reyley, O'Rahilly, Ra-
hilly, Radley, Ridley, Relie, Raleigh.
Racial Origin—Irish.
Source—Given name.

All of the foregoing variations are
traceable to an Irish source, though a
few of them also may have origi-
nated from other sources in some cases.

There were several branches of the
Clan O'Reilly in Ireland, or, as the
Irish spelling has it, "O'Riaghailbh,"
or "O'Riaghailbh." The four prin-
cipal ones were in Dublin, Down, Leitrim
and Wexford. History traces this an-
cient surname back to a period just
prior to 1014 A.D., when the new clan
was formed from the still more an-
cient O'Rourke clan. This "Ragheo-
lach" or "Radhealach" concerning the
spelling of whose name there was
some confusion, was slain, according
to historical record, in the great bat-
tle with the Danes at Clontarf, in that
year.

It is certain, however, that some of
the names in the variations mentioned
are not always of Irish origin. Raleigh,
for instance, is traced by some to the
old French given name of "Rahel." There
can be little doubt that in some cases
Rahel is derived from the name of a
locality in Staffordshire. There is a
place called Ridley in Kent also. In
addition there is good evi-
dence that Reilly and Rielly are some-
times but modern developments from
the place name of "Reahilly" in France,
for in the medieval English records it
is found in the form "de Rihille."

Curing Dental Diseases by X-Ray.

A lamp of simple construction which
can focus violet rays to the merest
speck of intense light is being used
with effect against pyorrhea germs,
which die off under the treatment in
millions in little more than four min-
utes. Pyorrhea is the most prevalent
and destructive dental disease.

The device is known as the Fashier
tungsten lamp. It is the invention of
Mr. F. Fashier, of West Kensington,
and is installed in the surgeries of a
number of prominent dentists, one of
whom is Mr. R. Hodgson, a dental con-
sultant at the Royal Waterloo Hospi-
tal.

"I cannot yet state that the lamp
can cure pyorrhea in all stages," he
told the writer, "but it is certainly the
most effective deterrent I know. One
patient, aged fifty, was suffering from
pyorrhea, and I regarded him as a
hopeless case. The patient was anx-
ious to retain his teeth, so I decided to
try the lamp.

In two days he returned. The
teeth were much firmer, and the gums
in an infinitely healthier condition. It
has still to be shown whether the
treatment can cure advanced pyor-
rhea, but I think there is no doubt
that with accurate technique it can
cure the earlier stages of pyorrhea."

The vital parts of the lamp are two
short rods of tungsten metal, about
the thickness of a lead pencil, and a
quartz lens. Electric current is con-
veyed to the rods, and the violet rays
are collected and concentrated. They
are focused on the part to be treated
until the sphere of light becomes a
mere speck.

A Common Experience.

"It is a fact," said Stittler, "that my
wife is able to dress on comparatively
little money."

"What?" exclaimed Stittler, also a
married man. "Come now! What do
you mean by comparatively little?"

"I mean on little," compared with
what she thinks she ought to have."

MONEY ORDERS.

Remit by Dominion Express Money
Order. If lost or stolen you get your
money back.

We cannot make progress towards
perfection ourselves unless we earn-
estly seek to carry our fellowmen
along with us.—Prof. J. C. Shairp.

Real Slavery.

Civilized people often call them-
selves "slaves," but they have no con-
ception of what real slavery is. They
probably imagine, also, that slavery in
the old sense is wiped out. It is not.
Britain at this moment is trying to put
down slavery on the Okavango River,
in South-West Africa, and the chiefs
have been notified that she does not
tolerate their system.

More than half the people in this
primitive district are slaves. The pro-
portion is kept up by the fact that the
children of all slaves are slaves them-
selves, having no chance of release.
Every kraal owner, chief, and head-
man has his slaves, who may legally
be beaten if they rebel, and who spend
their lives without any vestige of in-
dependence.

They are each temporarily allotted
a field but part of the produce has to
be given to their masters, who, of
course have full command of all their
services. When the slaves die, the
field, and anything else they may pos-
sess, goes not to their children, but to
their masters.

You may buy a slave on the Okav-
ango River, the currency for the pur-
pose being cattle.

Golden Words.

Huge sums of money have been paid
in recent years for the memoirs of cer-
tain celebrated people. But this is not
an innovation in the literary world.

Winston Churchill was reported to
get \$40,000 down for the life of his
father, Lord Randolph Churchill, and
Lord Morley got a cheque for \$50,000
for his "Life of Gladstone." Rudyard
Kipling has often been paid as much
as a quarter a word for a short story.

It is said that Hail Caine parted with
the rights of "The Christian" for \$45,
500, and it is certain that Marie Corel-
li has got at least as much for a novel.
Lord Macaulay got \$100,000 for his
colossal "History of England," the
demand for which was so great that
the vase carrying it from the publish-
ing office blocked the street. Lamar-
tine got \$200,000 also for his history.
Victor Hugo \$50,000 for "Les Miser-
ables," and Daudet cracked the record
with \$200,000 for "Sapho."

Even poets have made money. Tom
Moore asked and got \$40,000 for "Lalla
Rookh," and Tennyson for many years
made \$20,000 a year.

SUMMER COMPLAINTS KILL LITTLE ONES

At the first sign of illness during the
hot weather give the little ones Baby's
Own Tablets or in a few hours he may
be beyond aid. These Tablets will pre-
vent summer complaints if given oc-
casional to the well child and will
promptly relieve these troubles if they
come on suddenly. Baby's Own Tablets
should always be kept in every
home where there are growing child-
ren. There is no other medicine as
good and the mother has the guarantee
of a government analyst that they are
absolutely safe. The Tablets are sold
by medicine dealers or by mail at 25
cents a box from The Dr. Williams'
Medicine Co., Brockville, Ont.

What the Little Eels Missed.

A profiteer bought a luxurious coun-
try home and set about making it even
more luxurious. Money of course was
no object. One of his plans was to
have a fishpond containing eels.

"But you can't keep eels in a pond,"
suggested his neighbor, to whom he
had confided his idea. They have to go
down to the sea every year, you know."

"Well, I won't have 'em, then," ex-
claimed the profiteer. "I always takes
the missus and the kids every year,
but I ain't going to take no eels."

Her Initiation.

He, savagely attempting to start
her—"This self-starter won't work!
There is a short circuit somewhere."
She (sweetly)—"Well, why don't
you lengthen it, dear?"

If you are doing good work, don't
worry; somebody will find it out.

IN THE GOOD OLD SUMMER TIME



WEAK DIGESTION DUE TO POOR BLOOD

Perfect Digestion Will Come if
the Blood is Made Rich and
Red.

There is no tonic for the stomach
that is not a tonic for every other part
of the body. But the stomach de-
pends, as does every other organ, on
the blood for its energy.

There can be no perfect digestion
unless you have rich, red blood. This
is scientifically true. The way, then,
to tone up the stomach is to enrich
the blood.

Most stomach remedies try to digest
your food for you. How much better
it is to tone up the stomach so that
it will do its own work, as nature in-
tended. There is no pleasure in eat-
ing predigested food. Tone up your
stomach, then your appetite and di-
gestion will soon be normal.

If your digestion is weak and your
blood thin, you need Dr. Williams'
Pink Pills to restore the strength to
your blood; in addition use care in
the selection of your diet and your
stomach trouble will soon pass away.

Mrs. Charles La Rose, Fruitland, Ont.,
suffered severely, and tells what Dr.
Williams' Pink Pills did for her. She
says:—"I was a terrible sufferer from
stomach trouble. The doctor called it
nervous indigestion. Everything I ate
distressed me, and I became so weak
and rundown I could hardly walk. I
had a pain around my heart most of
the time, and I slept very poorly. I
was afraid I would not get well, as
the doctor's medicine was not helping
me. In this serious condition Dr. Wil-
liams' Pink Pills were recommended
and I decided to try them, and I can
truthfully say that they made me feel
like a new person. I will always give
this medicine a word of praise when
I get a chance for I think there is
nothing to be compared with it for
dyspepsia, or any one weak, nervous
or rundown."

You can get these Pills from any
medicine dealer or by mail at 50 cents
a box from The Dr. Williams' Medicine
Co., Brockville, Ont.

Mysteries of Magnetism.

We know that a magnet attracts
iron, but no one knows the reason.
Ancient writers spoke of a mysteri-
ous "stone" possessing, among other
remarkable properties, the power to
"draw to it the all-conquering iron." A
common superstition at one time was
that magnetic mountains caused ships
to fall to pieces by drawing from them
their iron nails.

Large quantities of loadstone, or
magnetite are found in all parts of the
world. A rod of this substance pointed
at each end and suspended will set it-
self to a north and south position.

The Chinese discovered this fact and
invented the compass. They used it
for land journeys only, and were
guided by the south point of the
needle. As early as the seventh cen-
tury the Japanese mounted compasses
on wheeled vehicles, which they called
"south-pointing carts."

Ordinary iron rubbed with magnetite
will acquire magnetism and will pick
up a needle. Steel through which an
electric current has passed will also
become magnetized. Bars of steel are
formed into the familiar horseshoe
shape in order to hold the magnetism
better.

During the war an American officer
made an enormous horseshoe magnet
from two big cannons and some steel
rails. It was suggested that it might
be used to influence the compasses of
enemy ships venturing near the coast,
but the idea was not adopted.



A Honeymoon

Willie Bee's idea of a honeymoon.

Minard's Liniment for sale everywhere

Strange Coincidence.

"Now, Tommy," said the teacher,
"give me an example of a coincidence."
"Why—er," said Tommy, with some
hesitation, "why—er—why, me father
and me mother was both married on
the same day."

The wrong road never brings you to
the right place.

Be Safe!

Don't wait for someone to
be in pain to get Kendall's
Spavin Treatment in the
house.

For all external hurts and pains
Kendall's Spavin Treatment makes good.

KENDALL'S
SPAVIN
TREATMENT

ISSUE No. 25-22.

Tongue-Twisters.

There are some twisters which it is
quite impossible for the tongue to re-
peat rapidly without a fall, such as:
"Give Jim Gies' gilt gig wisp."

"Twice six thick thistle sticks
thrust straight through the throbbing
thrushes."

"A skunk jumped over a stump into
a skunk hole."

"What sort of a noise annoys an oys-
ter? A noisy noise annoys an oyster."

The old gold scold sold a school
coal-scuttle.

"When a twister a-twisting will
twist him a twist,

For twisting of his twist he three
times doth twist;

But, if one of the twines of the twist
do untwist,

The twine that untwisteth, untwisteth
the twist,

"In twisting the twine that untwisteth
between,

He twirls with his twister the two in a
twine;

Then twice having twisted the twines
of the twine,

He twirls the twine he had twined
in twine;

The twain that in twining before in
the twine,

As twines were untwisted he now doth
untwine;

"Twist the twain intertwisting a twine
more between

He, twirling his twister, makes a twist
of the twine."

Minard's Liniment used by Physicians.

Couldn't Swindle Her.

Young Mrs. Newlywed went out
shopping determined that the grocer
should not take advantage of her
youth and inexperience.

"Those eggs are dreadfully small,"
she said critically as the shopkeeper
served her.

"I know, madam," he answered.
"But that's the kind the farmer brings
me. They are only just in fresh from
the country this morning."

"Yes," said the young bride wisely,
"that's the trouble with these farmers.
They are so anxious to get their eggs
sold that they take them off the nest
too soon."

Take care that the face which looks
out from your mirror in the morning
is a pleasant face. You may not see
it again all day, but others will.



Cuticura Heals Rashes

Bathe with plenty of Cuticura Soap
and hot water to cleanse and purify.
Dry lightly and apply Cuticura Oint-
ment to soothe and heal.

Soap 25c, Ointment 25c and 50c. Sold
throughout the Dominion. Canadian Depot:
J. C. Clark, Limited, 344 St. Paul St., W. Montreal.

Cuticura Soap shaves without mug.

Classified Advertisements.

WORLD OWNERS AND AGENTS EVERYWHERE
are delighted with new attachment. A wonderful
Economy, Comfort, Luxury. Buy money to repre-
sentative. No selling, no investment. Apply Also
Specialty Co., Peterson, Ont.

WASHINGTON HAND PRESS.

WE HAVE AN ENQUIRY FOR A WASHING-
TON Hand Press that will take 2 pages of
1 column, line. Write Publishing Co., Ltd., 75
Adelaide St. W., Toronto.

A Maid's Idea of a Rug.

Mrs. Blake was exceedingly fond
and proud of the valuable Persian rug
that lay upon her parlor floor. When
she engaged a new maid she brought
the girl into the room and, pointing to
the rug, said:

"When you clean the parlor, Mary,
be very careful of this beautiful rug.
It is very old."

"I can see it is ma'am," replied the
maid sympathetically, "but I dare say
we can make it last you the winter if
we're careful."



Attractive Proposition

For man with all round weekly
newspaper experience and \$400
or \$500. Apply Box 24, Wilson
Publishing Co., Ltd., 75 Adelaide
Street West.

REMEMBER

Don't forget MINARD'S
on the summer trip. The
best remedy for Cuts,
Bruises, Sprains.



MOTHER OF TWIN BOYS

Tells How Lydia E. Pinkham's Veg-
etable Compound Relieved Her of
Inflammation and Great Weakness

West St. John, N. B.—"I was in a
general run-down condition following
the birth of my twin boys. I had a great
deal of inflammation, with pains and
weakness. Finally my doctor recom-
mended Lydia E. Pinkham's Vegetable
Compound. He said that your medicine
would be the only thing to build me up.
I am sure he is right, for I am feeling
much better and am gaining in weight,
having gone down to ninety-three
pounds. I was in bed for over a month,
but am up again now. I have recom-
mended the Vegetable Compound to my
friends and give you permission to use
my letter."—Mrs. ELMER A. RITCHIE,
82 Rodney St., West St. John, N. B.

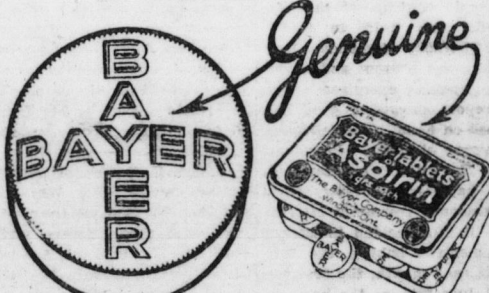
There are many women who find their
household duties almost unbearable ow-
ing to some weakness or derangement.
The trouble may be slight, yet cause
such annoying symptoms as dragging
pains, weakness and a run-down feeling.

Lydia E. Pinkham's Vegetable Com-
pound is a splendid medicine for such
conditions. It has in many cases relieved
those symptoms by removing the cause
of them. Mrs. Ritchie's experience is
but one of many.

You might be interested in reading
Mrs. Pinkham's Private Text-Book upon
the "Ailments of Women." You can
get a copy free by writing the Lydia
E. Pinkham Medicine Co., Coboconk,
Ontario.

Aspirin

UNLESS you see the name "Bayer" on tablets, you
are not getting Aspirin at all



Accept only an "unbroken package" of "Bayer Tablets of
Aspirin," which contains directions and dose worked out by
physicians during 22 years and proved safe by millions for

Colds Headache Rheumatism
Toothache Neuralgia Neuritis
Earache Lumbago Pain, Pain

Handy "Bayer" boxes of 12 tablets—Also bottles of 24 and 100—Druggists.
Aspirin is the trade mark registered in Canada of Bayer Manufacture of Mono-
acetic acid or of Salicylic acid. While it is well known that Aspirin means Bayer
manufacture, to assist the public against imitations, the Tablets of Bayer Company
will be stamped with their general trade mark, the "Bayer Cross."