

## SWIFT HEALING AND DR. CARREL'S DISCOVERY

(Mail and Empire.)  
Dr. Alexis Carrel, of the Rockefeller Institute, is recognized as being one of the greatest medical scientists of the age. He was awarded the Nobel Prize for 1912 in recognition of his discovery that it was possible to keep various organs of the body alive after they had been removed from their original environment. He has now come forward with another discovery, which is understood to convey a promise that it may be possible to greatly shorten the period of time required for the healing of wounds and the knitting of bones. The article in which Dr. Carrel makes his announcement is highly technical, and is intended only for scientific reading. It is also extremely conservative in tone, for Dr. Carrel admits that he is not aware at the present time just what practical value his experiments will have. Nevertheless, more imaginative scientists have asserted that the time will come when a broken leg can be set in two or three days and a wound healed in a few hours.

**The Magic in the Thyroid.**  
The new discovery is a by-product of the discovery that organs may be kept alive in an artificial culture. In the course of these experiments it was found that in some media the organs grew faster than in others, and in several of them the growth was much greater than would have been possible in the body. For instance, a dog's spleen was grown to proportions that would have made an elephant uncomfortable. These facts suggested the second series of experiments, which numbered a couple of thousand, and all of which are carefully tabulated. They have been going on for some years now, and there can be no question of their authenticity. Partly from Dr. Carrel's experiments and partly through the discoveries of others it is known that some of the ductless glands of the body have functions never before suspected. It is known that the thyroid gland controls the general growth of the body. This suggested to Dr. Carrel the idea of making an extract of thyroid glands secured from lower animals and observing the effect upon tissues kept alive in this artificial media.

**Dr. Carrel's Method.**  
Dr. Carrel describes his method in the following words:  
"The method consists in measuring the extent of growth of fragments of tissues placed in normal plasma and in plasma containing a known quantity of a tissue juice. The extracts were made of chick embryos from six to twenty days old, of spleen, kidney,

muscle, etc., of the adult chicken, of the Rous sarcoma, of thyroid gland spleen, the muscle of the adult dog, and the spleen of the adult rabbit. The tissues were cut into very small fragments, or cut and ground with sand in a mortar, or cut, ground and frozen in ice and salt, and then put for a short time in the incubator at 28 degrees centigrade. Afterwards, to one volume of tissue were added from one-third of a volume to four or five volumes of Ringer solution. The tubes containing the mixtures were put in cold storage."

**Experiments on Living Animals.**  
He found that the fragments treated with the thyroid extracts grew from three to forty times as rapidly as those in the other medium. The experiments he made upon living animals were not successful; or rather, it was not possible to so precisely note the effects of the treatment, so after a few attempts had been made the living creatures were discarded in favor of the artificially vitalized tissue. It will now be in order for Dr. Carrel or some other experimenter to make a series of experiments upon living animals. When this is done the general public will admit the practicability of the treatment, and perhaps not before then; for whatever Dr. Carrel says, it is difficult to realize that a fragment of chicken liver taken from a chicken long since dead and kept in a glass tube is precisely the same in every respect as the same tissue when it was in the living chicken's body. However, it is to be borne in mind that what Dr. Carrel wanted was a method by which results could be scientifically measured. His aim was not to make swift cures of wounds or rapid joining of broken bones.

**The Treatment of Burns.**  
It has been pointed out by a medical man that if Dr. Carrel's discovery means anything it means among other things that the present process of skin grafting will be done away with. Skin grafting is at present a tedious, painful and unsatisfactory business. If the area to be replaced is very large it is often impossible to effect a cure. This is why people suffering from burns so frequently perish, even though the injuries have been no more than skin deep. It is hoped that physicians of the future may be able to carry with them a supply of thyroid extract, or whatever other liquid is finally adopted, and that they can simply anoint the burned surface with it. Then, if the hopes of Dr. Carrel and his associates are realized, the skin will be replaced in a day or two. Much remains to be done before this new magic is at the

## HIGHWAYMAN HOLDS UP TICKET OFFICES Walked Quietly Into Divisional Office and Forced Ticket Agent to Hand Over Money at Revolver's Point.

Pittsburgh, Pa., Jan. 11.—A man walked into the office of C. O. D. Pascault, divisional passenger agent of the Buffalo, Rochester and Pittsburgh Railroad, and held Pascault and Ticket Agent Clayton Brant, at bay with a revolver, compelling them to hand over the contents of the safe and cash drawer. The highwayman obtained \$54.

As he was leaving the office he tossed a bunch of keys to Pascault, saying: "Here's the keys of the Erie city ticket office in Cleveland. I stuck them up yesterday and told them I would return their keys." He then disappeared.

**WANTED IN GLACE BAY  
ARRESTED IN MONCTON**  
Special to The Standard.  
Moncton, Jan. 12.—A young man named Bernard Fowler, wanted in Glace Bay on a charge of theft, was arrested by Sgt. Atkins Saturday night as he was entering the Empress Theatre with a young lady.

Fowler at first denied his identity, but afterwards owned up. The Glace Bay police have been notified and will send an officer for the prisoner.

**MAY CALL NATIONAL ASSEMBLY.**  
Constantinople, Jan. 11.—The council of ministers is considering the question of summoning a national assembly to discuss the existing situation in the Balkans. Similar action was taken in 1878 in the Russo-Turkish war.

**DATES SET FOR BIG RACES.**  
Savannah, Ga., Jan. 11.—Nov. 25 and 27 have been tentatively agreed upon as dates for running the 1913 Grand Prize and Vanderbilt Cup automobile races on the Savannah course, according to announcement here today by Pres. Harvey Granger of the Savannah Automobile Club.

## FRIESLAND FAMED FOR DAIRY WORK

Amsterdam, Holland, Jan. 11.—Friesland is the leading dairy section of Holland, and its fame along that line continues to spread from year to year. The cattle are pastured chiefly on the sea clay and low fen lands, which produce such rich herbage.

The dairy industry of that section is largely buttermaking, the cheese industry being centered in north Holland, near Alkmaar. The average dairy farm in Friesland is about 90 acres in extent, divided into 2 1/2 to 10 acres. Sometimes the water—most of the province is below sea level—is drained off by means of windmills and sometimes by steam pumps.

Usually the farmhouses are under the same roof as the cow barn. The arrangement is simply a long shed-like building with the dwelling in the front facing the canal and the cattle stalls in the rear. There are many advantages in this system, one being the nearness of the milking industry to the house. All the chores can be done under one roof, the hay and fodder being in the loft of the same building. In the cold winters of Friesland the farmers need not leave the house for months at a time. The proximity of the animals to the dwelling also makes for much warmth, requiring less fuel to keep the house warm, and making a more equable temperature within.

Dairy farming in Friesland is very thorough, and is well supervised. The dairy herds as a rule being small, about 30 cows to one owner, the proprietor is in a position to know his animals well. As a rule, the owner does part of the milking himself and most of the feeding.

As to milk yields, the average in the best herds is about 800 gallons or more per annum. On the best soils an average below 845 gallons is not found. Cows have given as much as 2,000 gallons. The average amount of fat in the milk has risen, owing to the care with which the herds in Friesland are managed, within a period as few as five years. The average amount of fat in average herds there is about 3 to 4.

**"STATISTICS PROVE."**  
"Statistics prove" so many things: The size of towns, the height of the hills, the age of children in the schools, the skull development of fools; The salaries that persons get, The number of abodes to let, The wealth of lucky millionaires, The price of hens and mining shares. All things below and things above, It seems to be, "statistics prove."

But not statistics never yet Appraised a single violet, Measured the glance of an eye, Or probed the sorrow of a sigh. Statistics never caught the gleam That dances on a meadow stream, Or weighed the anthem of a bird In forest aisles devoutly heard. Statistics never proved a soul In height or low, in part or whole. Sin, beauty, passion, honor, love—How much statistics cannot prove! —Amos R. Wells, in Life.

**WEATHER.**  
Toronto, Jan. 12.—The disturbance which was over the lake region on Saturday since developed into an important storm, which is now centered over Newfoundland. The weather continues very cold in the western provinces, and turned decidedly colder today in Ontario and Quebec.

	Min.	Max.
Victoria	43	52
Vancouver	18	28
Calgary	13	24
Edmonton	13	24
Winnipeg	13	24
Regina	13	24
Saskatoon	13	24
Montreal	13	24
Ottawa	13	24
Quebec	13	24
Halifax	13	24
St. John's	13	24

Gulf and Maritime—Decreasing northwesterly winds, fair and decidedly colder.

**DODD'S KIDNEY PILLS**  
CURES RHEUMATISM, GRAVEL, BRUISES, DIABETES, NEURALGIA, MIGRAINE, 23 THE PROVERBIAL

**IN MEMORIAM**—In loving memory of Malcolm C. McRobbie, who departed this life January 12th, 1912.

**DIED.**  
McNAUGHTON—At Montreal on Jan. 10th, Christina A., wife of Robert D. McNaughton, formerly of St. John.

**DAISY FLOWER**

## The Most Successful Shoe Sale Ever Held In St. John

On Saturday the rush was so great that we had to close our doors time after time in order to handle the crowds, and that is bound to keep up during the sale for we guarantee a bargain to every person who wants one.

**What Brings the Crowds**  
Men's \$4.00 and \$5.00 Shoes || Men's \$4.00 and \$5.00 Shoes  
Reduced to \$1.48 || Reduced to \$1.98  
Many Lines Reduced 50%  
Other Lines Reduced 33 1/3 & 25%

**BUT REMEMBER!**  
\$1.00 We guarantee that the price of any and every pair of men's or women's shoes has been cut at least \$1.00.  
**THE SLATER SHOE SHOP, 81 KING STREET**

## POWERS DEMAND CESSION TO ALLIES OF ADRIANOPLE

Continued from page 1.  
In reply Rechad Pasha said that he was not responsible for the suspension of the work of the Allies, but which was decreed by the conference, without even allowing him to express his opinion. It was not his fault, he said, when he begged to do so. He had waited a whole week hoping that a decision would bring the Allies to a more reasonable and moderate view, but as no move had been made on their part in this direction, he desired had been manifested to hear their rectification of the frontier. Turkey was prepared to make, naturally without ceding Adrianople, the Turkish plenipotentiaries could not remain in London indefinitely.

In deference to England, which had treated them so hospitably, and out of regard for the other powers, whose ambassadors regretted the rupture of the negotiations, Rechad Pasha consented to telegraph to Constantinople asking for definite instructions. The allies also are tired of waiting. They do not believe that the note which the powers will present at Constantinople will have the desired effect, but not wishing to take a decisive step, without due notice to Europe, they have none of the powers, whose soldiers have made frequent sorties from Scutari. Therefore, the resumption of hostilities really concerns only the Thracian field of operations where the activity of the allies seems to be limited to the conquest of Adrianople. The Balkan military experts here think that under present conditions Adrianople can be taken in a few days by the sacrifice of 5,000 men.

**Greeks Eager to Fight.**  
The Greeks are more determined than ever to hold the Aegean Islands as well as Saloniki. Regarding Saloniki, they say: "We gave it to us, and only war can take it away."

The Allies lay all the responsibility for the gravity of the situation on Europe, which, they say, after having encouraged them to conclude an armistice and come to London, even holding contemporaneously a conference of the plenipotentiaries to facilitate matters, finds itself impotent, because of lack of accord, to adopt measures compelling Turkey to obey its will.

This failure of agreement, even if manifested in a passive manner, the Allies point out, gives encouragement to the Turks, whose hope is that they will succeed finally, as they have in the past, in playing off powers, one against the other. The attitude of the powers, it is added, also encourages Roumania to take unfair advantage of the situation, forgetting that only enemy, but the Turks re-entered the straits, declining an engagement.

**NICKEL—"The God of Gold"**  
Not a "Miser" Story, but An Every-Day Business Affair.  
Screaming Scotch Comedy  
By the Vitaphone Players.  
"An Unusual Honeymoon"  
In a Balloon in Zululand.  
Turks and Bulgars At It!  
Lively Skirmish at Karatzenli Between Opposites of These Bitter Enemies. Real Fighting.  
More Good Music, Signor Manetta  
New to St. John. "The Masked Ball" (Verdi). Sung Amid An Ovation at Big Banquet in this City a Few Evenings Ago.

**TONIGHT Tues. Night Wed. Mat.**  
**NELLIE GILL PLAYERS**  
All Week!  
PRICES: Floor 35c, 50c; Balcony 25c, 35c; Gallery 25c. Matinees Wed. and Sat. 25c, 35c.

**OPERA HOUSE**  
THE GREAT POLICE STORY:  
Powerful Modern Drama  
"The Third Degree"  
AS PLAYED IN NEW YORK FOR NINE MONTHS  
WED. AND THURS. EVGS. "THE MAN ON THE BOX"

**Royal Blend Scotch**  
It is one whisky that has maintained one standard of quality decade after decade  
**A Superior Blend**  
Sold by All St. John Dealers.

**BILLY MERRITT WINS.**  
Billy Merritt, formerly of St. John, but now of Boston, and noted as one of the fastest skaters turned out in this city, won the three cornered mile race in Boston Friday night. The race took place in the Arena and Merritt's time for the mile was 5m. 19s. Thompson was second, Faulkner third.

# Warning to Beer Drinkers

Read every word in this opinion. Remember it is not our statement, but the deliberate opinion of a great scientist working for perfection in beer.

Pure beer is food and tonic.

G. Beck (Bierbrauer, 1881, No. 8) finds that

"beer in light bottles deteriorates more quickly than beer in dark bottles when exposed to the direct sunlight."

His tests were continued for three weeks and proved that beer in light bottles had acquired a very disagreeable, nasty taste and flavor and was unfit for consumption.

The Brown Bottle with Schlitz is not a fad. Its use is based on scientific principles.

We have adopted every idea, every invention, every innovation that could make for purity.

Schlitz is sent to you in Brown Bottles to protect its purity from the brewery to your glass.

Why don't you make Schlitz in Brown Bottles your regular beer?

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See that even or cork is branded "Schlitz."

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