

THE CHARLOTTETOWN GUARDIAN

TUESDAY, AUGUST 3.

THE FLYING MACHINE OF THE FUTURE.

The Commercial Airship is the title of an interesting article contributed to the August number of Machinery by C. A. McCready of New York, formerly of Moncton, New Brunswick. This writer discusses the various heavier-than-air machines and lighter-than-air machines so far in use and finds that for various reasons their commercial use must be restricted. The aeroplanes and aerodromes are necessarily of frail construction to make them light, are liable to be overturned during flight, and must at once come to the ground in case of accident to their propelling power. In any case their carrying capacity must always be insignificant. The dirigible balloon, the present lighter than air machine, affords better promise as a carrier, but is open to several serious objections. The dirigible balloon can remain longer in the air than the aeroplane, and can ascend higher in the air and carry a much heavier load. Its drawbacks are that the gas is an element of danger, being explosive by fire, and is also expensive. The balloon ascends by throwing out ballast, and descends by releasing its gas, but neither ballast nor gas when once thrown away can be restored without descending to the earth, and the process of inflation which is always bothersome, can only be effected where gas is obtainable. Hence the dirigible gas balloon comes far short of the requirements of a commercial airship. These requirements are to be able to carry a substantial load for an indefinite time without coming to the earth; to rise to any altitude that may be desired and to remain at the chosen level, at rest or in motion, indefinitely.

a steel cylinder deflated, or emptied of air. A vacuum cylinder with conical ends, the body 150 feet in diameter and 750 feet in length would have a lifting power of 420 tons, less the weight of the cylinder, the attached car with furnishings and necessary machinery, which would be about 270 tons, leaving 150 tons of lifting power, if the air were all out of the cylinder. And if 50 tons of air were left in the cylinder the lifting power would still be 100 tons, or 200,000 pounds, the weight of at least 1,000 men. Such an airship would be large, but hardly larger than one of the biggest Atlantic liners. One of very much smaller dimensions would carry 500 men.

The advantages of the vacuum cylinder over the gas balloon are several. Once properly built and equipped with a motor to drive it, the airship will enable it to rise, and the escape valve enable it to descend. Unlike a ship at sea, it can rise above a storm raging near the earth, or if the upper air is violently disturbed, can descend to the quieter level near the earth. In a word, it is claimed that the metal cylinder, strong and light, with the air pumped out is the commercial airship of the future. A speed of 100 miles an hour is believed to be practicable, which would permit of crossing the Atlantic in a day and a half. The same speed in a continued trip—which is well within the limits of possibility—would permit of circling the globe in ten days. Mr. McCready claims that the vacuum principle as applied to airships has been fully worked out and its practicability demonstrated. If this is true we shall hear a great deal more about it in the near future.

DR. ELLIOT AND HIS RELIGION OF THE FUTURE.

Dr. Elliot, late President of Harvard University, had in his middle life built up a great fame as a teacher and a moralist. In the brief period since his retirement he has done much to shatter his reputation as a safe guide for his fellows. He first designed "a five-foot bookshelf," with titles of books enough to fill it, alleged to be sufficient for the wants of intelligent and cultured men, but omitting therefrom the Bible and Shakespeare. Now he has propounded a new religion, with as little evidence of sense and judgment. His religion, like his bookshelf, contains some good things. It has like fatal and inconceivable omissions.

In a word he omits from it all supernatural elements—the divinity and worship of Christ, faith, repentance, the resurrection; denies the possibility of a quick change of character here, or of a sudden entrance to Paradise hereafter. To him Paul's conversion is a myth, and that which Paul declared to be basic to the Christian faith is an absurdity. In all this he writes himself down as a Sadducee. The Bible, for which he had no room on his bookshelf, is rejected from his religion. The Cross to him

That peace between Canada and the United States has been preserved for nearly one hundred years is a matter of great satisfaction. When the full century of continuous peace shall have expired a few years hence, it may be fitting to celebrate the occasion. A year or two earlier will come the centenary of battles fought between Canadians and Americans. Shall these, too, be made the occasion of celebration? The peace centenary will only be of value as it tends to prolong present friendly relations. The centenary of battles might stir up the embers of old feuds and quarrels. It will be well to proceed warily in devising the form of these centennial observances.

is a meaningless symbol. Such a religion may satisfy the mind and heart of Dr. Elliot. It might be good enough for sceptics, agnostics and unbelievers generally, but will never commend itself to sincere believers in the Christian faith. It has not even novelty to recommend it.

MARITIME BOARD OF TRADE.

During the current month the maritime Board of Trade will meet here and it is of interest to note some of the subjects to be presented for discussion. Two of the mainland boards, those of Amherst and Moncton, will present the question of Maritime union. Amherst will inquire whether such union is desirable; Moncton will affirm that the time is even now opportune for it. Have they each an ambition to become the capital of Acadia? It is no mean ambition. Several boards appear concerned about steam connection across the Straits. Halifax would anchor the Pictou route with an all-year round intercontinental ferry to Charlottetown. Our own board will present the rival attractions of the Brule route and better freight and passenger rates. Alberton will demand three ice-breakers for the winter service and Summerside will protest against one steamer of the three being taken away. But what is the use of demanding or protesting? The Government will persist in its course and every Liberal representative will continue his support, even if that course should lead to obliterating the name of Prince Edward Island from the map of Canada.

The towns of Chilpancingo and Acapulco in southern Mexico, reported to have been destroyed by earthquake, have a population of about 6,000 each.

The excellent concrete walks in the heart of the city do not remove the objections to the broken planks and dangerous holes in some of the old wooden walks. These should receive attention. There are far too many of them.

"Hundreds of new up-to-date purses and hand satchels, in everything that is new and novel as well as useful for the season. Jas Paton & Co. 7-23dtf.

New Advertisements

A Long Trial

Mr. M. J. Roberts, Reporter to Criminal Court, Charlottetown, says: "It gives me much pleasure to testify to the merits of Gregg Shorthand. After completing the course I had the pleasure of taking evidence in a long trial in the Criminal Court, and it was a complete success. I was required to give a transcript of the whole case, which I was told by one of the attorneys in the case was one of the longest ever held here. Gregg Shorthand is first class." 7-3dtf



The Fireside Phonograph

The Edison Fireside Phonograph plays either Standard or Amber records—a simple compact and ingenious invention—a touch changes the reproducer from Standard to Amber and vice versa—it's simplicity itself. Its music is marvelous—it is clear, sweet and resonant. The bell is so shaped as to make the rendition perfect. The reproducer is equipped with two sapphire points of different sizes, one for the Standard and one for the Amber records. Both points are as perfect as those used on the single point reproducers, are as highly polished and equally durable. Let us show you these machines. A large assortment of Edison records to hand besides the regular monthly records. Call and hear them.

Miller Bros 123 Kent St. Ch'Town

Hay's Hair Health

YOU'LL BE SURPRISED TO SEE HOW YOUNG YOU LOOK WHEN YOUR HAIR IS RESTORED TO ITS NATURAL COLOR. There's no excuse for unightly gray or faded hair. It makes you look old when you're not—it's unightly and embarrassing. Hay's Hair Health will bring back the natural color and beauty, and make your hair bright, luxuriant and full of youthful vitality. Stops dandruff and falling out. Purely vegetable and harmless—restores color, strength and beauty to the hair. It cures itching, red, rough and chapped hands, and all skin diseases. Restoring the hair to its natural color. Send 2c for free book, "The Care of the Hair," "The Care of the Body." Philo Hay Spec. Co., Newark, N. J.

A. W. R. C. D. D. IN Sunnyside

Look The Part

Make the world judge you for what you are. As the passing throng see you only from the outside, make that outside worthy of the man within.

"Progress Brand" Clothing

—like the honest man—improves on acquaintance. The rich, handsome appearance but reflects the careful workmanship and honest materials of the parts within. "Progress Brand" Clothing gives the maximum style, wear and value. 31



Tailored and Guaranteed by H. Vineberg & Co. Limited Montreal with a Guarantee by CANADA'S LEADING CLOTHIERS

We have in stock all kinds of preserving sugar at lowest prices. Granulated sugar 10 lbs. for 50cts also fruit jars at lowest prices.

We have just opened a choice line of spices direct from Halifax. Fresh beef smoked and dried pork always on hand goods delivered.

W. H. JOHNSON Corner F. Tracy and Edward Sts. Phone 8 L

New Bakery and Grocery

I have opened a new bakery and grocery store and respectfully solicit a share of your patronage. I intend to all my asking personally and guarantee everything to be the best procurable. For the convenience of my patrons I have also stocked a good line of groceries. Give me a chance to demonstrate baking perfection to you. You will always find here something above the ordinary. H. Court 196 Kent St.

New Advertisements. Binder Twine

We have a large stock of "INTERNATIONAL" "Manilla" and "Standard" "PLYMOUTH" "Green Sheat" and Plymouth Special, all of which we are selling at lowest prices. Wholesale and Retail

A. Horne & Co

Try "Bonne Sante" The Great Health Drink Cooling and Invigorating these hot days. Bonne Sante makes you smack and wish for more Drake's Latest Francis Drake. New Glasgow, N. S. E. H. McEACHERN, Charlottetown, Selling Agent for P. E. Island. Phone 272 J., P. O. Box 563. 131 & 67pm.

Mount Allison Ladies' College Sackville, N.B. 56th Year Commencing September 9th

Massey-Treble School of Household Science. Normal Course Certificate from Mount Allison accepted as qualification for teaching Household Science in New Brunswick Schools. Conservatory of Music. With Faculty of Ten Members, and equipped with Pipe Organs and over 50 Pianos. Department of Literature. Course leading to M. L. A. Degree. Scholarships for worthy students. Department of Oratory. Affiliated with Emory College of Oratory, Boston Graduates from this department at Mount Allison, may enter the Senior year at Emerson. Owen's Museum of Fine Arts. In charge of John Hammond, R. C. A., and equipped with Pictures, Casts, etc., to the value of \$75,000. Courses in Designing, Etching, Wood Carving and Leather Tooling have been arranged. WRITE FOR CALENDAR. REV. B. C. BORDEN, D. D., Principal 7-3odtfurtt.

Toggery That Is "Different"

Our furnishings are new and natty, and are selected from makers with a reputation for making "Different" things. Our negligee shirts are of the best makes and newest patterns. The neckwear we sell is of newest style and choicest silk. Fancy Hosiery in all the newest, and catchiest patterns and shades. Underwear of the coolest. Summer Vests out of the ordinary in plain and cellular back, Collars, Belts, Hats, and Caps of the best. Our Toggery Is Always "Different"

D. A. BRUCE Your Furnisher dttsrmwf.

ASEPTO SOAP POWDER Use Asepto To Cleanse Fabrics Too Delicate To Trust To Soap The dainty blouses, the delicate lace creations, the articles you prize most, should be washed with ASEPTO. ASEPTO is harmless to everything but dirt. The ONLY washing compound which, when dissolved in water, does not burn the hands. Cleans better—and is far more economical—than soap. 5c. package, at all discerning grocers. Manufactured by THE ASEPTO MANUFACTURING CO., ST. JOHN, N.B.

National Playing Cards

We have just received a large assortment of new playing cards. The stock includes many new backs of Goodall's London, England and are very pretty.

Scotch Plaid

backs we have in all the prominent clans National backs include Canadian, English, Scotch and Irish emblems all King Edward and Queen Alexandra. 50c a pack.

J.G. Jamieson, DRUGGIST

A life long Friend

When you buy a watch, get one of our high grade "G.H.T." specials and you will have a true and accurate friend. These watches are made up specially for us by the very best American watch factory and are all thoroughly tested and rated. We have these in ladies' and gents' gold, gold-filled and silver cases.

G.H. Taylor, Jeweler & Optician.

Just Arrived SOMETHING NEW

A large supply of Rockwood chocolates, and the first six purchasers of one lb box of those high class chocolates will be presented with a beautiful Merry Widow picture free.

E. J. DesROCHE, Sole Agent, Ch'town. 5-3drmtf.

For Gifts

It's easy to choose gifts combining beauty and quality if you look for the mark "1847 ROGERS BROS." On knives, forks, spoons, etc., it is a guarantee of lasting satisfaction. Best tea sets, dishes, walters, etc. are stamped MERIDEN BRITA CO. SOLD BY LEADING DEALERS "Silver Plate that Wears"

"A good wrap will add to the value of your outfit. Your horse will even look better, and the handsome carriage will not look right without one of Paton's Scotch Wraps." 7-23dtf.

Carpet Ends---50c

11-2 yards in each It's cheap, remarkably so, for the colorings, patterns, and qualities are most desirable. The usual price is seventy five cents—no less. These lengths are bordered—and that's how we secured them so cheaply. However, in many instances the border is scarcely noticeable; now, if you want some cheap mats, here is your opportunity. Fringes to match, if you want them.

Beer & Weeks

CARTER'S LITTLE LIVER PILLS.

**CURE SICK HEAD ACHE** Backache and relief all the troubles that lead to a bilious state of the system, such as Dizziness, Headache, Drowsiness, Distress after eating, Pain in the Side, etc. While their most remarkable success has been shown in curing Headache, yet Carter's Little Liver Pills are equally valuable in constipation, curing and preventing this annoying complaint, while they also correct all disorders of the stomach, stimulate the liver and regulate the bowels. Even if they only do without them. But after all sick head

Is the name of so many lives that here is where you may find our great benefit. Our pills cure what others do not. Carter's Little Liver Pills are very small and very easy to take. One or two pills make a dose. They are strictly vegetable and do not grip or purge, but by their gentle action please all who use them. CARTER MEDICINE CO., NEW YORK. Small Pill. Small Dose. Small Price.

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Our Non Rip Sandal has no equal. Every pair gives perfect satisfaction.

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