ANOTHER ELECTRIC MOTOR-SOME WONDERFUL FEATS.

The New York Tribuns describes the running of cardriven by the Dafe electric motor, at Greenville, N. J., of Thursday. The exhibition was made with miniature open cars on the smaller of the two tracks. The motor open cars on the smaller of the two tracks. The motor is easily managed, requiring only the turning of a handle to one side or the other to go ahead or run back, as shown by desired. The electric current is transmitted to the rails from the stationary engine, by positive annegative wires connecting with either side, and from the rails to the wheels and through these to the simple machinery of the motor. The brakes are magnets of highest power. While the question of insulation of the rails proven the supplemental such difficulties in the practical working of the power. While the question of insulation of the rails presented such difficulties in the practical working of the Siemens electric system in Berlin as to require the introduction of an overhead wire, according to the Daft system the "low tension" current admits of the running of carried the intervious process of the continuous manner, and with no species over rails laid in the ordinary manner, and with no speci-precautions against centa t with the earth or again-floods. There is no attempt at insulation in fact, and floods. There is no attempt at insulation in fact, and there is, consequently, absolute immunity from danger of shock or hasm to human or anim. I life from contact with the rails. When asked what advantages are claimed for the electric motor as a substitute for steam locomotive for railways. Theo Daft, electrician of the company which hears his name, said:—

bears his name, said:

"Our locomotives would be one-third the weight of those now in use to accomplish the same work. The would be operated for less than one-half the present cost would be operated for less than one-half the present cost incl. As to speed, the electric motor is practically unlimited, because there are no reciprocating parts. The expense of constructing and keeping in repair is muchless than for any steam mater. The best steam locometives in the world are those on the Pennsylvania Railroad these are 18 by 24 cylinder, with 6-feet driving-wheels they consume 8½ tons of coal per horse-power per houwhile our compound stationary engines, which furnishe power, require only two tons of coal per horse-power per hour. A 2 0 or 250 ton train running at the rate of forty-five mile an hour develops 625 horse-power, and the steam-locomotive weighs, with the tender, lifty tons. We can condense the same energy into a twenty-ton electric can condense the same energy into a twenty-ton electro-motor and thus add thirty tons more paying capacity to the train. We can now actually accomplish a speed of the train. We can now actually accomplish a speed a sevency miles an hour with the armature on the shat and 100 miles an hour is possible. The reciprocating parts in steam engines are always elements of danger in the higher speeds. While we sholly do away with the sin our motor, there is a constantly increasing energy in the direction of rotation at the periphery."

Among the interesting exhibitions of the power of electricity was the running of the saws in the saw-mile at the rate of 2,800 revolutions a minute by a current transmitted through a mile of wire: but more astonishing

transmitted through a mile of wire; but more astonishing than all else was the running of the electric motor up and down a track with a grade of 2,000 feet to the mile. This feat, in which electricity langhed at the laws of gravita-tion, and set at defiance all previous performances at-tempted by steam motors, would have seemed incredibl-had it not been witnessed by a dozen practical men.

THE REDUCTIONS IN THE PROVINCIAL EXPENDITURE.

The auditor general of the Province, Mr. Gasparo Drolet, has just issued a memoire of the reductions effects by the ministry of the Province of Quebec from which appears that during the last six months upwards of \$156, 000 has been retrenched, of which \$85,000 has been obtained by reducing the expenses of the civil services and \$71,000 in the administration of Beauport Asylum In the Department of the Executive Council the annual In the Department of the Executive Council the annual expenses have been reduced to the extent of \$1,400, in the Provincial Secretary's Department, \$3,865, in the Registry Department \$4,750, in the Attorney General's \$2,350, in the Treasurer's \$900, Auditor's \$,100, Crown Department \$5,800, Agricultural \$5,930, Public Instruction \$2,070 and Railways \$100. In addition to this, superannuation and supernumeraries whose services have been dispensed with, make an aggregate of \$12,457.50. Over two thousand dollars has also been taken off the annual voted toward dollars has also been taken off the amount voted toward dollars has also been taken off the amount voted toward subscribing to the press of the Province; \$3,000 voted to the library and \$2,326 in the salaries of watchmen, &c., in the departmental buildings. Next comes the copy of a report of a committee of the Executive Conneil stating the Treasurer has been informed by the eminent counsel retained by the Government that the occision of Hon. Mr Justice Rainville in the Corporation Tax cases is illegal, that the tax in question is a direct one, that an appeal to the Privy Council has been made, but that on account of the "combined resistance" of the commercial corporations, who have been called upon to pay this tax it will be impossible to realize the amount estimated from these taxes during the current year and that in consequence it be necessary to make reduction in the estimates in other quarters, a list of which has alr ady been published, including grants to many of the charitable and other public institutions of the Province amounting to \$35,293, and making the total reductions over \$150,000.

THE FIRST NEWSPAPER PUBLISHED IN CANADA

Mr. Alexander Lawson, proprietor of the Yarmouth (N. S.) Herald, has linally set at rest the question of the establishment of the first newspaper in Canada. Mr Bourinot, in his Intellectual Development of the Canadian People, and others, have credited the Quebec Gazette, established in 1764, as being the pioneer newspaper in these Provinces, but the historical fact, as related by Mr. Lawson fixes the first newspaper enterprise as far back as Lawson, fixes the first newspaper enterprise as far back as 1752, thirteen years before the publication of the Quotec Gazette. The result of Mr. Lawson's research bears out the Dominion Annual Register and Review for 1882, which gives

Nova Scotia the credit of having given birth to the first tewspaper published in what is now the Dominion o Lanada, the year being fixed at 1753 instead of 1752, instake of one year only. Mr Lawson thus relates hi

mistake of one year only. Mr Lawson thus relates hiliscovery:—

"On my passage from Yarmouth to Boston, in the New Brunswick, I had the pleasure of an introduction to Milenry J. Morgan, of the D partment of State, Ottawa, and alitor of the Dominson Annual Register and Review. On sonversation naturally dritted into the subject of Now Scotia newspapers. Referring to the early journals of the novince, Mr. Morgan stated that a Halifax gentlement and informed him that he saw in the Legislative Library in the State House, Boston, a copy of a Halifax paper sublished in 1753, under the title (as Mr M. understood of the Mercury. As this date was only four years after the settlement of Halifax, I thought there must be somnistake, and concluded to investigate the matter in jossible. Soon after my arrival at Boston I mentione and intention to my este med friend Mr. Charles E Iurd, of the Boston Transcript, and that gentleman kindly urnished me with a letter of introduction to Mr G. B fullinghurst, Librarian of the Legislative Library. I an ence proceeded to the State House, where I was mos courteously treated by Mr. Tillinghurst, who, after a filigent but vain search after ancient Nova Scotinewspapers, accompanied me to the office of the Secretar f State (in the same building), who was equally obliging and equally unsuccessual in his search. Mr. Tillinghursthen gave me a note of introduction to the Hon. Samutreen, of the Massachusetts Historical Society, Tremostreet. Mr. Green was absent, but a gentleman to whom the code the pade throw the object of my visit in a few seconds. then gave me a note of introduction to the Hon. Sumu-freen, of the Massachusetts Historical Society, Tremoustreet. Mr. Green was absent, but a gentleman to whom i made known the object of my visit, in a few seconds crought from an alcove a bound volume of old Nov-sectia papers dating as far back as 1852. The first paper in the collection was No. 1 of the Hatifax Gazette, dated functing Office in Gratton Street. The paper is about a visiting Office in Gratton Street. The paper is about a onn Bushnell, at the carrier of the paper is about to be a page of two pages, two proad columns to a page."

ELECTRIC CARS IN PARIS.

ELECTRIC CARS IN PARIS.

Paris, Sept 8.—The electric tramear trial was successfully accomplished to-day by the French Electrical Power torage Company. At three o'clock the vehicle, as redinary three horse tramear, left the Place de la Nation in the far east, and, after traversing the capital through ne important thoroughbares, reached the starting points oon after six o'clock. A distance of thirty English mile was thus made in about three hours. The mute wonderment with which the soundless progress of the apparently animated car through the crowded streets was witnessed by ne public may be imagined. There was not the slightest excident, and not a single horse shied throughout the intire route. Whenever there was an impediment, the river, directed by M. Philippart, the manager of the Sompany, who was ever on the alert, had no difficulty in oringing the vehicle to a standstill at a second's notice the case with which the car was turned off one set o ram lines and got on to another across several yards of immettled ground was likewise admirable. The loco-The case with which the car was turned off one set of ram lines and got on to another across several yards of immetited ground was likewise admirable. The loconotion is effected by means of Faure accumulators, weighing some fifty hundredweight, which are fixed under the tramway seats, and connected with a Siemens' manifer placed under the floor. The machine, which makes twelve hundred revolutions a minute, sets in movement, by means of a pulley, an axle, to which are connected the mains which give impulse to the wheels. These wheels evolve sixty times to twevle thousand revolutions of the machine. The speed of the electric tramear is nine and methird miles an hour on level ground, and five and a last miles an hour on a seent. The present tram lines are not well adapted for the new loconotion. On the newer lines the movement was sufficiently smooth, but on those that have been laid for some time there was a marked difference, and the actual working force was considerably lower than the indicated horse-power. To-day's experiment, however—the first ever made over a long listance—fully proves the practicability of electric tramcars, and it may safely be predicted that before long they will take possession of the tram routes of the French capital. The estimated cost is one-half that of horse trams. The Company who made the trip to any consisted of engineers and journalists. M. Ferdinana de Lessepwas among them. On Sanday next a trip will be made from Vincennes to Versailles.

A Cotton Broker's Suicids.—Boston, September 22—

A Cotton Broker's Suicide.—Boston, September 22—On September 4th Fred P. Jenks, a well-known cotton broker, hired a room in the Tremont House, and took four bottles of a patent medicine containing a large proportion of opium. He was found nearly lifeless, and died on the 6th. Inquiry into his affairs showed that a note he had negotiated some time before for \$2,800, and due the day of his death, was a forgery. Other forgeries were discovered in rapid succession. It was also found he had appropriated and squandered \$6,500, entrusted to his guardianship by elderly f males. The signature on the forged note was "T. W. Raphael," of Oakdale, which was also appended to another note for \$440. Jenks also negotiated a note for \$3,300, bearing the forged signature of S. also appended to another note for \$440. Jenks also negotiated a note for \$3,300, bearing the forged signature of S. Blaisdell, jr. & Co., Holyoke, and another for \$3,800 ocaring a forged signature of Corn. R. Batter, of Taunton The amount of his fraudulent paper is \$13,000. Unifortunate cotton speculation caused the trouble.

PROTECTION OF TRADE MARKS.—On the 1st of July last long afterwards the entire bulletin disapper a new law came into force in Luxembourg for the protection of trade marks. The principal conditions are the following:—A trade mark is considered to be every mark which serves to distinguish a certain article, also the name of a person or firm applied for that purpose. In order to get up to the protection, the mark must be deposited with the

uthorities. The applicant receives an official certificate vith copy of the mark. The latter can only be used for ne one article especially mentioned. The application for egistering must be accompanied with a remittance of 10 registering must be accompanied with a remitation of to the Lifthe applicant wishes to abandon his rights he must make a declaration to that effect. Foreigners whose ative countries exercise reciprocity can obtain the rotection; but when the protection expires in the native country, it also ends for Luxembourg. Marks which have not been properly registered will be declared illegal on the realization of our case interested. application of any one interested.

Mysterious Murden of a Bary.—Costleton, Vt., Sept. 33.—The funeral of Theron Goodwin's murdered baby ook place this afternoon. Mrs. Goodwin fainted at the crave. The evidence thus far obtained and certain remarks crave. The evidence thus far obtained and certain remarks tropped by Mrs. Goodwin strengthen the suspicion that he killed the child. Another clue was obtained this norning, which will be made the basis for issuing warants for the arrest of two young men. The child was hot on Friday nig t, while the father was out on Lake Bornoscon fishing. He heard two reports of a pistol, and, astening home, found his wife prostrate with grief and the baby dead with a bullet hole in its head. Mrs. Goodwin said that a man fired at her through an open window and missed her. Then he entered the house, followed her nto the room where the baby was sleeping, and, as she was leaning over the child, fired again, the ball missing her and entering the child's head. Another shot was ired, and she fell over on the bed. The man, supposing the had killed her, fled. e had killed her, fled.

THE BRITISH BOARD OF TRADE RETURNS for the foreign The British Board of Trade Returns for the foreign rade of August show a slight increase in the exports over the previous month, though a decrease as compared with ne same month last year. The imports exhibit an increase as compared with the preceding menth, and a somewhat larger increase as compared with those for August of ast year, the increase in the latter case amounting to 9.4 per nt. The imports for eight months of 1883, as compared with a like period in 1882, show an increase of £12,745, 225, or 4.6 per cent. A like comparison in the case of xports exhibits a decrease in eight months of 1883 of 22,042,935, or 1.3 per cent. Turning to the details of the mports of r August we find special increase in the items of oxen, bacon, timper and wool. A decrease of £0.0 in oxen, bacon, timoer and wool. A decrease of £ 0 , 0 in ne imports of wheat is noticeable. This decrease was nainly in arrivals from America, the purchases from Jussia and India showing an increase. The tables show natury in arrivals from America, the patternses from Aussia and India showing an increase. The tables show heavy decrease in the exports of pig, bar and railroad from as compared with last year, the exports of pig for the nouth amounting to only £97,000, as against £253,000 in August of 1882. The snipments of cotton goods, on the ther hand, show an increase.

ther hand, show an increase.

AUGHIONEERS' COMMISSION —In the case of Farebrother and others v. Cox, heard in the Queen's B meh, London, an interesting point was decided. The parties in the case were the well-known auctioneers, and Mr. Cox, picture lealer, of Pall Mall. Mr Cox made an agreement with them by which, in consideration of their advancing him 2,000l, he agreed to employ them as his auction ers for the sale of his pictures and property at a fixed rate of percentage. At the sale most of the pictures did not reach the reserved prices fixed, and were bought in. The auction, but defendant considered the amount due to be only 162l, being the commission on the pictures actually old. The Court held that the effect of the buying-in was only to posipone the sale, and until they were sold the old The Court held that the effect of the buying-in was mly to postpone the sale, and until they were sold the auctioneer could not claim his commission. The attempt to prove a custom of a regular commission on lots bought in failed entirely, as Mr. Palmer, one of the defendants, aimself admitted that the rate claimed varied with difficunt firms. Judgment was therefore entered for the defendant, with costs.

SANDFIELD MACDONALD'S WILL -A suit is now pending before the Chancery Division for the construction of the will of the late Hon. John Sandfield Macdonald upon a single point which now arises. By the will an allowance is made to the testator's youngest son, which is to be in-creased when the beneficiary arrives at a certain age upon condition that the executors approve his course of life up to that time. The time having arrived and the executors approving the beneficiary's conduct, the question arises whether the increased allowance is to begin from the date whether the increased allowance is to begin from the date of the young man's majority or from the present time, some two or three years having clapsed since his majority. To construct he will upon this point a friendly suit is brought, in which Mr G. S. Macconald is plaintiff and the executors and the other ben ficiaries are defendants. The question is purely one of law upon the construction of the will.—Mail.

A Chicago Scandal.—Chicago, September 21.—Before the adjournment of the Board of Trade to-day, the Secretary announced that some one on the floor had mutilated the signal service weather report. Alterations had been made in the figures, so as to report a contrary meaning to the one intended. Before the deception was discovered, a perceptible decline in corn resulted, a number of members losing thereby. The report stated that the indications point d to frost on Friday or Saturday night in all the states north of Tennessee. Operators gathered about it when posted, and soon after it was noticed an interlineation had been made by an unknown person, and a line written on the margin to the effect that noticed an interinteation had been made by an unknown person, and a line written on the margin to the effect that the statement in the bulletin had been contradicted. Not long afterwards the entire bulletin disappeared mysteriously. Some operators are interested in these bulletins. No steps have yet been taken towards an investigation.

Lost wealth may be replaced by industry; lost know-