

THE VERY BEST ROGERS COAL

HEAD OFFICE 28 KING WEST TORONTO

Branches: Main, North, College, Park, Junction, Gerrard, etc.

BOY MATRICULATED AT NEW YORK COLLEGE AT AGE OF FIVE

Edward Rochie Hardy, Jr., is of Studious and Inquiring Mind and Has Insatiable Passion for Learning—Undecided Whether He Will Be Farmer, Rector or Policeman.

(Special to The Toronto World.)

NEW YORK, July 15.—Edward Rochie Hardy, Jr., the five-year-old son of Prof. Hardy of the department of economics, New York University, living at No. 479 West One Hundred and Eighty-ninth street, is the youngest student ever matriculated at the university.

With his mother, Dr. Sarah Drowne Belcher Hardy, he is taking the course in school gardens, given by Henry Grison at the university grounds, in the Bronx. He made out his own enrolment blank and demonstrated his ability to take the course.

Edward weighs fifty-nine pounds and a half, is forty-eight inches tall, built like an athlete, and stands sturdily upon his legs.

When Mr. Parsons opened his class in gardening he gave a talk on seasons, planting, preparation of the ground, weeding and watering. Little Edward attended with his mother, and listened carefully to every word. When he got home that night he repeated the lecture almost verbatim, and told on his plot of ground, which he is cultivating, as situated among the others, and even what sort of notebooks the pupils had. He is now engaged in the cultivation of radishes, beets, carrots, etc.

When not attending his classes at the university school garden or working over his clay modeling, his work-bench, his home-made table in his play room at home, he is generally to be found in the roof of the apartment house where he lives, dressed in wide straw hat and blue Dutch suit, cultivating a roof garden that he has planted in soap boxes. In it are growing cucumbers, radishes, celery and other garden truck.

“Won't be a Policeman.”

The little fellow has carefully observed real cops on the family's trips to Minneapolis, and the towns around Boston, and he says he intends to be a farmer when he “grows up.”

“But how about being a rector of Trinity?” inquired Miss Laura Emily Mau, supervisor of primary departments of the Georgia Normal Industrial College, a friend of the Hardy family.

“Well, I might be a rector forenoons and a farmer afterwards,” he replied.

GIRL DRESSED UP AS A BOY TO MAINTAIN HER GOOD NAME

Resorted to Disguise After Finding Effort to Make Her Own Way in World Was Too Hard—She Advertised for a Husband and Sex Was Disclosed.

(Special to The Toronto World.)

SAN FRANCISCO, July 15.—Nineteen-year-old Hene Shaw, winning, even with her auburn hair closely cropped, and still dressed in boy's clothes, said, as she sat tearfully in the matron's quarters at the city prison.

“I was afraid. They did not seem to want to allow me to remain good as long as I was a girl. There seemed to be no way for a girl to get a living and keep her womanhood. So I put on this suit of boy's clothes and secured the position of elevator boy at the Alma Hotel, where I was working when they found out I was a girl.

But in the finding of Hene Shaw there may be an end to all of her difficulties. For the man who found her wants to make her his wife and it only remains for her to say the word to get husband, protection and a home.

Joseph Sturges, a young mechanic employed by a local automobile agency, is the young man who found Hene Shaw, and he does not regret his find, even though it did come thru the channels of a matrimonial agency, and he was finally compelled to seek police aid.

Believed He Had Been Bounced.

Sturges stated police headquarters told Captain of Police headquarters that he believed he had been bounced. He stated that he has been seeking a wife, and had visited the matrimonial agency conducted by Mrs. G. M. Hyde at No. 2477 Mission street. She sent him to the Alma Hotel to see “Miss Shaw.”

But Sturges failed to find any “Miss Shaw” in the place, and believing that he had been bounced, decided to tell the police about it. Night Captain Ryan detailed Detective Frank Lord on the case and the officer accompanied Sturges to the Alma Hotel. There Detective Lord got the same information as had been given Sturges, but was told that Herbert Emory, the new elevator boy, might give him some information, as he had been receiving mail for a “Miss Shaw.”

As soon as the detective saw the new elevator boy he knew who “Miss Shaw” was. She readily admitted her identity and told the officer just why she was masquerading. She was booked in detention at the City Prison, and in the morning Sturges was her first visitor.

“I am a native daughter,” said Miss Shaw to the matron, “and my home is in Humboldt County, but I am not going to talk just where, as I do not want my folks to know of my difficulty. I left home three years ago and went directly to Portland, where I lived and worked up to two months ago.

“I came to San Francisco then and

TO TAKE MOVIES AT SEA'S BOTTOM

J. E. Williamson Already Has Taken Snapshots Under Ocean.

TURN CAMERA ON FISH

Will Go to Bermuda to Get Some Good Show Material.

NEW YORK, July 16.—J. Ernest Williamson, who has been taking pictures under the sea at Hampton Roads, Va., to New York yesterday from Norfolk, Va. He is here to conduct an exhibit at the Grand Central Palace this week at the first time that he has taken the moving picture art, and he will show photographs of the wonderful things he has seen with his camera down under the sea.

Williamson has taken only snapshots under the water, but he could just as well have taken moving pictures of the fish that he has seen. He is now taking pictures at Norfolk. However, he will take motion pictures on the trip to the tropics which he will undertake within six months. This is his newest achievement in the picture art. Williamson is a rather slight, fair-haired man of 34 years, altho he looks considerably younger.

He is the son of Capt. J. H. Williamson, who invented the flexible submarine tube from which the photographs under the water were taken. Three years ago he was a photographer for The Virginian-Pilot of Norfolk, Va. at such a time as he was drawing cartoons for The Philadelphia Record. He has also been a mechanical draftsman.

About two months ago Williamson was looking at some moving pictures one night at home in Norfolk when he saw bugs shown on the screen taken with the aid of a microscope. That started him thinking. The next day he started to work on his idea of submarine photography. The only other man in the world who has done anything along this line, Williamson said yesterday, is Dr. Francis Ward of England, who has his own pictures of fish in a pond in his own yard.

Used Submarine Tube.

So Williamson worked feverishly at his idea. His father's submarine tube was fixed into a well at the bottom of a large 30-foot tank. The well was six feet square. The tube, made of iron sections with a waterproof cover of rubber and canvas, could be lowered to any depth, and raised by means of a pulley system. At the bottom of the tube was the work chamber, as Williamson calls it, which may be of any size. In this Williamson sat, with an ordinary camera and looked over the viewfinder extension six feet long with a glass cover. This funnel extension gave him a wide view of the water, and the camera and the area of view were pumped into the funnel from the chamber to equalize the pressure with that from the outside. To take the strain of the outside water, the camera and the area of view were hung with tungsten making 1000 candle power, with reflectors, were lowered from the outside. A flash light thru the water and enable Williamson to snap photos of the fish as they swam past. From a launch with a motor a wire conducted the power to the barge.

Three feet was the lowest Williamson went. He had a depth of 30 feet was the lowest depth at which he took any pictures. He stayed down as long as an hour at a time. He doesn't remember how long for as he was cozy down there, he said, is in one's study at home.

“Going down the tube into the chamber is like climbing down a ladder, for rings inside the side of the tube make a ladder,” said Williamson yesterday. “It took my breath away the first time I went down under the water. The colors were wonderful, but because it was a new sensation, it was a month ago when I went down for the first time to take a photograph.

Like Photographing a Crowd.

“It startled me. I was nervous at once. For I got a hurry when I saw pictures of a crowd, you know. You see more persons than you find on your photographs when printed. It was fascinating.

“I don't remember how long I remained below on the various times for it's so comfortable. I can't smoke or eat or do anything. I took pictures of fish and of magazines covered in front of the funnel, and also one of my brother George's eyes through the lens. I saw a toothfish go by the glass and a crab with a hunk of meat. The colors were wonderful. The croakers that swam by were beautifully silver. At first the fish would swim by quicker and then return to get below as I pointed. By tapping lightly with a hammer on the plate wall of the chamber I found the fish were attracted better than by any other means. I saw a large crab hanging bait down from the top.

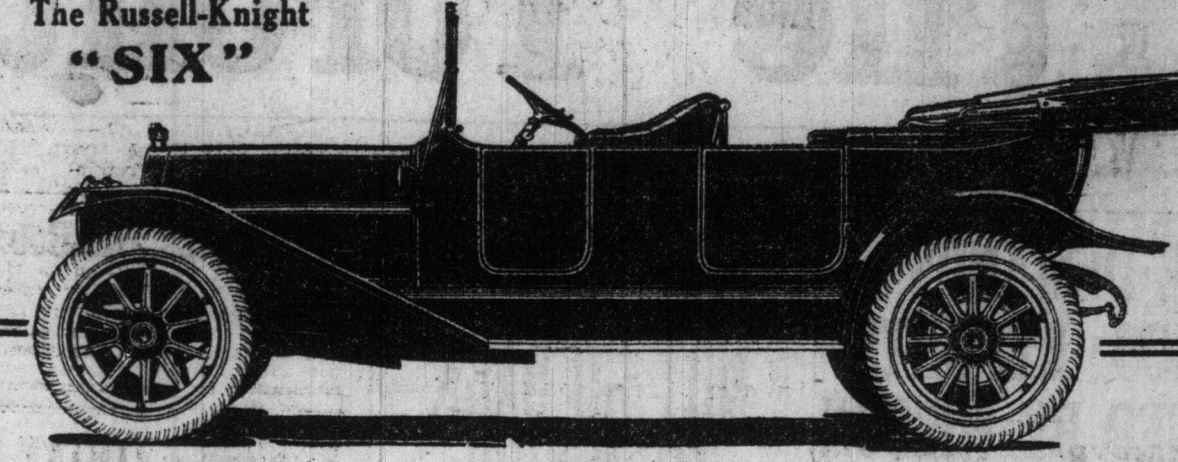
“Our experiments were to satisfy ourselves. We were so delighted with the results that we went to the tropics and what we did at Hampton Roads will be nothing compared to what we expect to do around Bermuda and the West Indian bays, where a moving picture camera. We have a submarine gold mine in this, and you don't have to dig for it. Just turn the handle of the camera and you are ready. For this trip we will build or remodel a seagoing boat about 200 feet long, big enough to accommodate all of our apparatus.

“Important work, and commercial, may be done along the line of salvage. It will be possible to reach out and work on wrecked vessels. The Williamson Submarine Corporation has been formed and the Williamson Motion Picture Corporation is being organized. I don't need much backing, but Mr. Williamson worked all day yesterday on his exhibit ready in the Grand Central Palace. He will show enlargements of all the photographs he has taken under the water and also photographs of his plans he has drawn to explain his work.

MACKENZIE AGAIN OFF TO ENGLAND

OTTAWA, July 17.—It was stated here this morning that Sir William Mackenzie, who left for the east yesterday, after spending a few days in the capital, may sail for England in the course of a few days from Quebec. It is said that he has important and pressing business in the old country. A report from Montreal states that an agreement for the purchase of the Quebec and Saguenay Railway, one of Sir Rodolphe Forget's enterprises,

The Russell-Knight “SIX”



Russell-Knight “Six,” 7-Passenger Touring Model \$5,000
 Russell-Knight “Six,” Roadster Model 5,000
 Russell-Knight “Six,” 5-Passenger Phaeton 5,000

F.O.B. WEST TORONTO.

“Ahead in 1909—Still Ahead in 1913”

Greatest Test on Record?

Knight Engine vs. Poppet Valve Engine

Since the A. C. A. Judges made their report on the Poppet Valve test, and the comparison was made with the R. A. C. Judges' report on the Knight Engine test, the claim has been made by the manufacturers of the Poppet Valve engine that theirs was the greatest engine test on record. Opinions vary as to this. We will submit very briefly the conditions of the two tests and rest content to abide by the public's decision as to which was more exhaustive. The Poppet Valve test continued for 300 hours. The test of the Knight motor, made four years ago, consisted of the following:

- (1) 132 hours of running on the bench.
- (2) Fitting to Chassis and running 2,000 miles on the Brooklands speedway with no adjustment, at a speed of 42 miles per hour.
- (3) Placing the engine again on a test bench and a five hours' continuous run to develop its condition at that time.
- (4) An entire dismantling of the engine to show the amount of wear as the result of the test.

Take the two performances side by side, the one a steady run on the bench, the other a run of 132 hours on the bench, 2,000 miles of road work, and then a further test and a searching examination of the parts; and on this latter basis alone, we believe the two tests are substantially on a par. The rules of the test laid down for the Knight were, however, at least 33 1-3 per cent. more severe than the rules for the Poppet Valve.

The requirements of the Knight Test were that it should develop continuously at least 30 per cent. more than its rated horsepower; in other words, 50.8 h.p.

The requirements of the Poppet Valve test were that it should develop only 70 per cent. of its maximum horsepower, which was shown to be 44.9; or, in other words, that it should run only developing 30 per cent. of its rated 38 h.p.—that is, 30.4 h.p. In other words, though the requirement demanding a maintenance of 30 per cent. over its rated h.p., whereas the Poppet Valve only assumed an obligation to maintain 30 per cent. less than its rated h.p. As a matter of fact, the Knight continuously developed for 132 hours 54.3 h.p., or 41 per cent. over its rating. The Poppet Valve only 35.7, or 2.3 h.p. below its rating. In fact, in the test the Poppet Valve engine did not, for a space of more than ten hours, maintain its rated h.p.

As a comparison, an electric dynamo rated, at 38 h.p., should run indefinitely developing 93 per cent. of its load, but try it out for even a short time developing 41 per cent. over its load and see what happens. The claim that the Poppet Valve test was more searching under these conditions is a good one. It did not run 100 yards in 1-5 seconds, but I ran further than you. I ran 200 yards.” (Time not mentioned.)


This is the last of the series of advertisements proving the superior efficiency of the Knight Engine when compared with the Poppet Valve.

Interested parties will upon request be sent a catalog, which shows the development of the Knight Engine to its highest degree of efficiency—in the Russell-Knight “SIX.”

RUSSELL MOTOR CAR CO. LIMITED

Head Office and Factory: WEST TORONTO.

Branches at Montreal, Hamilton, Winnipeg, Calgary, Vancouver, and Melbourne, Australia.



CIVIC DEPARTMENTS MAY SOON BE MERGED

Architect's and Property Branches to Be Made Into One According to Rumor.

PURCHASING AGENT NEEDED

George Wilson, Street Commissioner, Is Mentioned in Connection With Position.

Organization of a civic purchasing department and the merging of the architect's department into the property department are being quietly and persistently considered and discussed by controllers and aldermen. At the same time the necessity for reorganization of the treasury department is kept in mind, but with no intention of taking action in the immediate future, so sensitive are the relations of the department to the money market this year.

Many of the members of the council are now desirous of placing Commissioner Chisholm in charge of the architect's department at once, and of keeping him in charge of the proposed combined architect's and property departments. His reliability is what is what is making the office seek the architect's department is an adminis-

SUPPLY CITY WATER FOR WORKERS' HOMES

But Any Sent Beyond City's Limits Should Be Metered, Says Ald. McBrien.

“Builders who are erecting homes suitable for workmen should not be refused city water supply,” said Ald. McBrien yesterday. “Even if the houses are being built immediately beyond the city limits a water supply should be metered and a rate charged that would assure good revenue to the city.”

“I am also in favor of giving the Toronto Housing Co. all reasonable support in supplying homes for workmen,” Ald. McBrien said. “Now that I am appointed one of the city's representatives in the affairs of the company I intend to be active in that progressive movement, and at the same time see that the city's interests are fully protected.”

FELL TO HIS DEATH FROM A DIRIGIBLE

Soldier Hung On Until Five Hundred Feet Up—Companion More Fortunate.

SCHNEIDEMUEHL, Germany, July 17.—(Can. Press.)—The military dirigible balloon Schuette was wrecked this morning after being torn from her moorings in a wind squall, when she carried up in her cordage two sentries, one of whom was killed by falling 600 feet, and the other severely injured by a jump of 30 feet.

Neither crew nor pilot was on board the air craft, which was at anchor on the military parade ground, her mooring chains buried 6 1/2 feet in the earth, when the gust caused her to break away. The sentries tried to hold her down and were lifted into the air. One loosened his hold soon after leaving earth, but the other held fast until exhausted and was then hurled to the ground and killed.

The dirigible landed an hour later near the Village of Erpel.

Amusements

SCARBORO BEACH PARK

HONORS and LE PRINCE COMEDY ACROBATS. JOHNSTON, HOWARD and LISTETTE COMEDY PARALLEL BAR ACT. MOVING PICTURES. QUEEN'S OWN BAND

ALEXANDRA Mat. 25c

Kept comfortable by pure chilled air.

HASWELL 45 MINUTES FROM BROADWAY

CHORUS OF 20.

Nights, 25c, 50c, 75c; Sat. Mat., 25c, 50c. NEV. WELLS.—Owing to the great demand for seats, this musical comedy will be repeated.

SHEA'S THEATRE

“The Coolest Place in Town.”

Nights, 2.20. Prices 25c, 50c, 75c. Mats., Tues., Thur., Sat. All seats 25c. All Matinee Seats Reserved.

THE BONSTELLE PLAYERS

Mrs. Wiggs the Cabbage Patch

\$1,000 REWARD

For information that will lead to the discovery or whereabouts of the person or persons suffering from Nervous Debility, Fits, Skin Disease, Blood Poison, Genito Urinary Troubles, and Chronic or Special Complaints that cannot be cured at The Ontario Medical Institute, 263-265 Yonge Street, Toronto.

Auction Sales

Suckling & Co.

We are instructed by RICHARD TEW, Assignee, to offer for sale by Public Auction, at our rooms, 68 Wellington St. W., Toronto, on

Wednesday, July 23rd at 2 o'clock p.m., the stock belonging to the insolvent estate of LOUIS J. SMALE, Hespeler.

consisting of—

Wallpapers \$864.43
Furniture 297.07
Sundries 625.13
Total \$1,786.63	

No Furniture or Fixtures. \$1,000.00

Terms—One-quarter cash at time of sale, balance at 30 and 60 days, bearing interest and satisfactory assignments.

Stock and Inventory may be inspected on the premises at Delhi, and Inventory at the office of Richard Tew, Cor. Front and Scott streets, Toronto. 55

Suckling & Co.

We are instructed by RICHARD TEW, Assignee, to offer for sale by auction at our Rooms, 68 Wellington St. West, Toronto, on

WEDNESDAY, July 23rd at 2 o'clock p.m. the stock belonging to the insolvent estate of HEALING BERGER, Delhi.

consisting of—

General Goods \$584.00
Men's Furnishings 297.07
Clothing, Hats and Caps 676.45
Books and Shoes 123.13
Groceries, etc. 200.00
Furniture 44.44
Total \$1,905.59	

Terms—One-quarter cash at time of sale, balance at 30 months, bearing interest and satisfactory assignments.

Stock and Inventory may be inspected on the premises at Delhi, and Inventory at the office of Richard Tew, Cor. Front and Scott streets, Toronto. 55

French Lady to Sue Famous Cartoonist as a Matter of Principle.

PARIS, July 19.—A very ticklish test case which all the papers describe as “tout fait Parisien,” is to come up for trial soon, in which a cartoonist is to sue for damages her cartoonist. The lady is Mme. Caille Meudes, widow of the famous painter, and the offending cartoonist is a M. Rouveyre, who wields a very acid pencil. A day or two ago M. Rouveyre published a collection of sketches—his strenuously denials of any caricature, and which figured, among other honorable women not a few, Mme. Caille Meudes. It must be confessed that none of the pictures were at all kind, but they certainly were diabolically clever. The other victims did not complain, but Mme. Caille Meudes, who has been a reigning beauty for quite a quarter of a century, was more sensitive, and rushed into print. It wasn't she, she said, that she was at all hurt personally. Oh no! She merely despised and scorned M. Rouveyre's vulgar and porcine performance. “Porcine” is the lady's own phrase. She was going to bring the case against the cartoonist, but at all kind, but Rouveyre replied he was quite impersonal, that he was exceedingly sorry to have hurt the lady's feelings, but that he owed it to his art, always to record what he saw. An excuse which, as you can imagine, did not help to disarm the lady's anger. It ought to raise an interesting case, and provide plenty of amusing reading for the silly season.

Objected to Being Caricatured

French Lady to Sue Famous Cartoonist as a Matter of Principle.

VALVE REMOVED FROM ISLAND PIPE

The defective valve in the pipe at the island leading to the tunnel under the bay has been removed. It was the cause of the recent failure to clean the sand out of the tunnel, it being impossible to temporarily block the flow of water into the tunnel. The valve weighs about four tons and is ten feet in diameter.

Before the end of September the valve will be refitted. Then the tunnel in the city will cease to be damaged with grit. It is understood that the great deposit of sand in the tunnel

Only one which merits the coupon of these books

Seymour Eaton's original five years ago in the hands of a dispensable.

Remember This coupon together with book entitled

together with the coupon of these books

40 West R. Hamilton, Eaton's gr