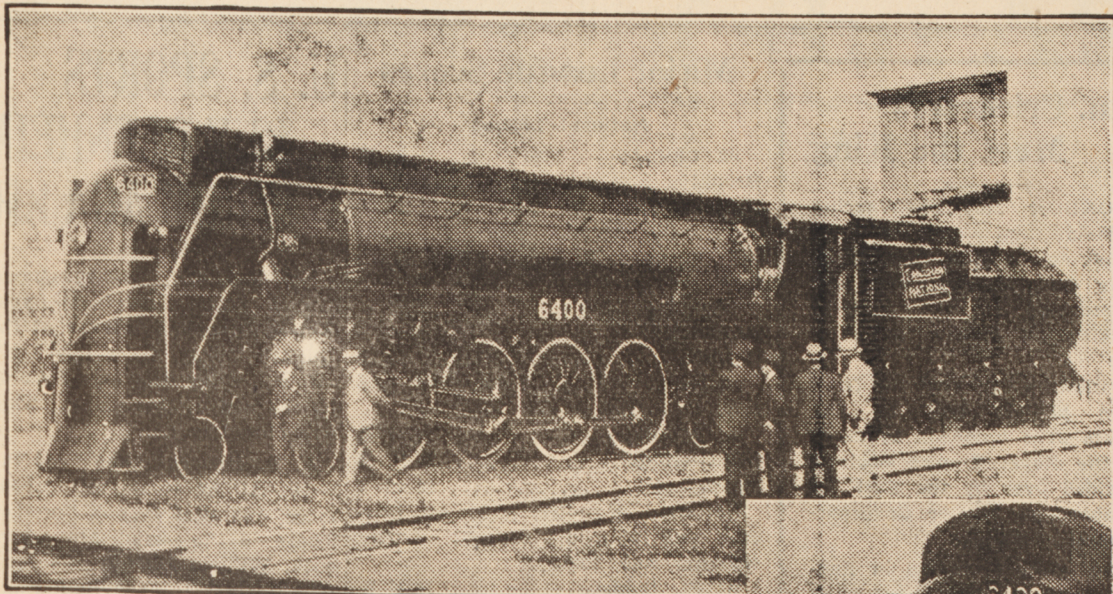


THE WORLD'S LARGEST STREAM-LINER



LOCOMOTIVE No. 6400 of the Canadian National Railways, the largest stream-lined steam locomotive in the world and Canada's first stream-lined engine has been delivered to the National System for test runs. No. 6400 is the first of five locomotives built to special stream-lined design evolved after exhaustive wind-tunnel and other tests by the National Research Council at Ottawa and officers of the Motive Power Department of the Canadian National Railways.

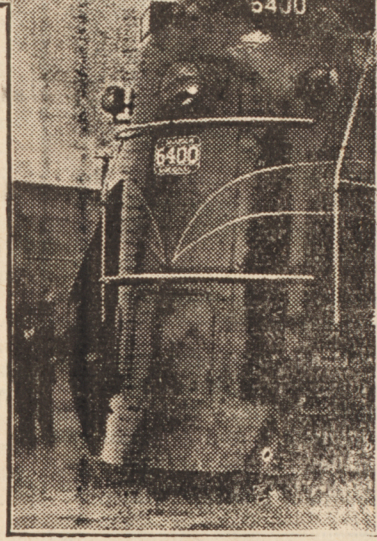
More than 94 feet in length and capable of an estimated speed of more than 100 miles an hour, the new locomotives, constructed by Montreal Locomotive Works, present many interesting features. Conspicuous by their absence at first glance are such familiar locomotive "gadgets" as a cowcatcher, smokestack, bell and automatic coupler. The cowcatcher is replaced in the stream-lining of the

front which extends to just above the rail; the smokestack and bell are present but located within the stream-lining which covers the array of pipes and domes found on the ordinary locomotive. The automatic coupler is arranged to perform a disappearing act, behind a steel door, when not in use.

The new locomotives also feature a new semi-disc type of wheel, stronger and more lasting than the familiar spoke type so long used by engine builders.

A new color design, black, green and bluish-grey polished steel, with bronze numbers on the running board and the Canadian National crest in gold on red background give the new locomotives a pleasing as well as striking effect.

Photographs show the first of the new engines during her inspection by Canadian National Railways and Montreal Locomotive Works officials.



Largest Streamline

(Continued from Page One)

have handled the new engines in their test runs are enthusiastic concerning their power and speed during the breaking-in process. These locomotives have handled trains of more than 3,500 tons considerably heavier than any trains they will ever haul in fast passenger service for which they were designed, operating between Montreal and Brockville. The tests included hauling heavy loads up the one per cent grade of Vaudreuil Hill, the governing grade on the line between Montreal and Toronto. In all test runs the engines have performed efficiently and economically. Speeds of fifty to sixty miles an hour have been maintained with these heavy freight trains and these tests have proved that the new locomotives possess sufficient reserve power to handle the heaviest passenger trains at much higher speeds.

The engines will go into service on the route of the International Limited. They are capable of maintaining continuous runs from Montreal to Sarnia, a distance of 550 miles and of greater uninterrupted mileage if necessary. Operating requirements, however, are more favorable to changing locomotives at Toronto so the engines stationed at Montreal will operate to Toronto one day and return the next day. Other engines of this class will handle the fast passenger trains of the National System out of Toronto to Sarnia enroute to Chicago. Engine crews will be changed at divisional points enroute but the locomotives will run between their respective terminals.

Tests have been shown that in high speed operation the streamlining ap-

plied to the new locomotives fulfills expectations. This streamline design was developed by J. H. Parkin, assistant director of the Division of Physics, National Research Council at Ottawa, his assistant Dr. J. J. Green, and officers of the Motive Power Department, Canadian National Railways. Extensive wind tunnel tests being made with models, the design decided upon reduces air resistance at high speed to a minimum, and by utilizing a louver at the top of the streamlined front, lifts smoke and cinders clear of the locomotive cab thus ensuring clear vision for the engineer and at the same time carrying the smoke of the locomotive clear of the train. An additional piece of equipment designed to add to the comfort of passengers riding behind the new engines is the track sprinkler installed under the tender. By this device the track may be sprinkled with water from the tender before the passenger cars pass over it. The sprinkler is controlled from the engine cab and it adds greatly to the comfort of travellers during hot dusty weather or when loose ballast is encountered at any point on lines.

In designing this entirely new engine for Canadian service, the motive power experts had for their guidance several years of experience with the 6,100 Northern and 5,700 Hudson types of locomotives. The best features of each of these were embodied in the new power.

The new locomotives, while the largest streamlined steam engines in the world, are not the heaviest locomotives in use on the Canadian National system. They represent, however, the most advanced design in the art of stream locomotive construction which in the past decade has witnessed the introduction and

development of many improvements and devices productive of economy in the consumption of fuel and greater efficiency in operation. Their employment to meet the exacting needs of specific services will produce sufficient savings to more than justify the investment and the replacement of older types of locomotives, according to Canadian National motive power officials. The large driving wheels of the new locomotive together with cross-counter balancing and scientific distribution of weight on the driving wheels also reduce the stresses on tracks and bridges. The operation is also proving that they are very economical in both coal and water consumption.

TRIBUTE IN FLOWERS

A tribute to the late Thomas Wetmore of North Lake, ex-warden of the York county Municipal council was paid today. The tribute was a silent bowl of beautiful Canterbury bell flowers and were placed on Warden Cameron's table by Hon. J. B. McNair, K.C., attorney-general and former solicitor for the council. In memory of the tribute was made at this morning's session of the council.

"THE RHINE OF AMERICA"

"The most beautiful river I've ever sailed on," was the remark made by Dr. Talbot of Brooklyn, Mass., as he stepped from the deck of the graceful yacht, the "Beatrice B." into the dinghy and rowed ashore. Dr. Talbot who is a professor at Harvard University, was accompanied by Mr. Keyes an artist and has just come up the river from Saint John. The "sailors" are the guests of Ald. F. S. Mundle who will accompany them to Hart's Island Pool where the party will try for salmon.

SOCIAL HAPPENINGS

Police Magistrate and Mrs. W. A. Haines and their daughter Little Miss Jacqueline Haines spent the day recently at Grand Lake, the guests of Rev. and Mrs. C. LeRoi Mooers. They were accompanied by Mrs. A. M. Bird of Devon and Mrs. Craig of Perth, N. B.

Miss Jeffrey returned yesterday from an enjoyable two weeks' visit with friends at Renforth, Kings Co.

Miss Josephine Hayes and Miss Evelyn Hayes of Tay Creek were in the city today.

Dr. and Mrs. S. H. McFarlane of Aurora, Ill., are spending their vacation at the home of their parents, 219 York street.

Mrs. W. E. West, formerly Miss Margaret Bailey, is here from Wolfville, visiting Miss Balloch, Waterloo Row.

Mrs. Douglas Foster, who has arrived to attend the funeral of her brother, the late Harry R. Adams, is the guest of Mr. and Mrs. C. A. MacVey.

Mrs. George E. Howie entertained charmingly at an informal luncheon yesterday, at her home on Waterloo Row in honor of Miss Doris Massie of London, Ontario. Covers were laid for eight. The house was bright with a profusion of garden flowers.

The marriage of Miss Josephine Hayes to John Michael Crotty of McAdam, has been arranged to take place at ten o'clock on August 5th, at St. Joseph's church, Tay Creek. Rev. Father Donahoe will perform the ceremony. The young couple will reside at McAdam.

A party of Fredericton people leaving this afternoon for Prince Edward Island include Dr. and Mrs. A. L. Gerow and their children, Mrs. Robt. Porter, Senator and Mrs. J. H. King of Vancouver, and their daughter Mrs. Creighton of Saint John. The party will spend several days at the beach.

Miss Nellie Blair was the guest of honor at a bridal shower recently held at the home of Mrs. Arthur Ferris. About forty guests were present. The variety shower was presented to Miss Blair, the gifts being arranged on a gate leg table decorated with white cupids, tiny wedding bells and a miniature bride, and surmounted by a floral arch of white flowers. Miss Blair is to be married in August to Rev. Mr. McCordick.

PROMINENT LEGAL MEN MEET AT BANFF

"It's a Small World For Travellers" After All

(Special to The Daily Mail)

BANFF SPRINGS HOTEL, Alberta, July 10—"It's a small world for travellers." Meeting quite by chance at Banff Springs Hotel, Canadian Rockies, Judges Myron Sulzeberger, Daniel B. Sullivan and James M. Barrett, all of and from New York City, promptly adjourned to the famous at Banff Springs Hotel, Canadian Rockies.

The betting centered around the 4th, 570 yards, seldom reached in two shots. Judges Sullivan and Sulzeberger are "Torts and Contacts," James M. Barrett is a "hanging" judge.

Judge Sulzeberger, who is president of the Mount Vernon Golf Club, New York, and runner-up in the Banff Springs Hotel competition, July 3, anxious for fresh golfing fields to conquer, with Mrs. Sulzeberger, after leaving Banff and spending a couple of days at the Empress Hotel, Victoria, B. C., will sail for Honolulu on the Aorangi on July 15.

Arriving from England with her father and mother, Mr. and Mrs. R. L. Britton, and sister, Joyce, Miss Valerie Britton, all of Farnham, Surrey, England.

A month hence she is to marry Robert E. Fraser, of Calgary, happily climaxing a romance begun scarcely a year ago, when Miss Valerie came to Canada's west for what was to have been a short visit. Since she returned to England for her parents, sister and trousseau.

Rev. C. S. Young of Keswick was in the city today.

Senator Thomas J. Bourque of Richibucto, is in the city today.

Mrs. E. R. Blackmer, who is spending a few weeks at Bay du Vin, is in the city today.

Mr. and Mrs. J. W. Smith have gone to Grand Manan on a vacation trip.

Miss Ida Ray of Swampscott, Lynn, Mass., is spending a few days in the city. Miss Ray is a guest at the home of Miss Emma Todd.

Miss Dorothy McFarlane of Orange N. J., is at her parents' home to enjoy a month's vacation.

The Misses Colter entertained at tea yesterday in honor of their aunt Mrs. B. H. Torrens, who has lately come to Fredericton to reside.

Mrs. A. L. Gerow and children, and her mother Mrs. Porter left today for Prince Edward Island where they will spend some weeks.

On a Trip to Alaska
Miss Beatrice Phillips of the Fredericton High School staff, has gone to Vancouver from where she will sail on one of the Alaskan boats on a cruise to the Yukon. She will be accompanied on the trip by her sister Miss Dorothy Phillips and Miss Jane Cadyton, both of the Branksome Hall staff, Toronto.

Double Bridge at Devon
Mrs. W. A. Haines entertained at a charmingly arranged double Bridge last evening at her home in Devon. The prizes were won by Mrs. I. B. Rouse, B. B. Barnes and Mrs. A. F. VanWart. The hostess was assisted by Miss Violet Wilson and Miss Margaret Miles. The house was artistic, with garden flowers in profusion. Mrs. Haines is again entertaining this evening.

The marriage of Miss Doris Armstrong Woods, daughter of the late Henry W. Woods and Mrs. Woods, Welsford, to Clarence Laverty, Edmonton, Alberta, took place recently at Welsford, Queens county. Rev. R. E. J. Britton officiated. Mrs. F. C. Woods, Montreal, was matron of honor, and the groomsmen were F. C. Woods, brother of the bride. Only immediate relatives were present. After dinner was served the bride and groom left for a short trip through the province. They will reside in Montreal. The bride is a graduate of the Class '28 of U.N.B. and has many friends in the city.

LEAVING FOR LONDON

Dr. H. S. Thompson, of Toronto, who had been at his summer home at Brule, will sail tomorrow from Montreal for London where he will attend the meeting of the British Dental Association at which plans will be made for a British Empire Association. Official delegates from the dominions and colonies will attend. Dr. Thompson will attend also the Federation Dentaire International in Vienna from August 2 to 7. Dr. Thompson is well known in this city, having lectured here before educational bodies. He is a brother of Mrs. Madison, widow of the late Geo. W. Madison, well known newspaper man of Moncton.

first at the Vancouver Hotel, Vancouver, B. C., and later at the Empress Hotel, Victoria. Later she sails for Honolulu and New Zealand.

BE SURE TO HEAR

E. J. Garland
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C.C.F.

speak in

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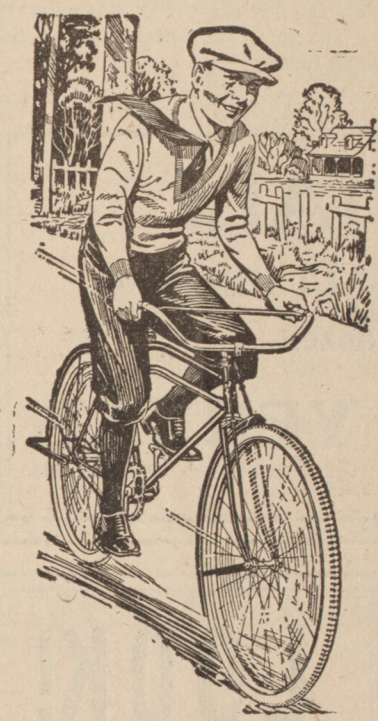
HOURS:—

9 - 6 or by APPOINTMENT.

404 Queen Street.

MAX LAROQUE,
MONTREAL ICE
HEAD, RETIRES

MONTREAL, July 10—J. Max Laroque announced his resignation as president of the Mount Royal Intermediate Hockey League, a body he has headed at the Arena for several years.



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