

In point of speed, but few navigable rivers in the world equal the Gulf Stream. It hurries along three, four, five, and sometimes over six miles an hour. Even three miles is fast enough to delay or assist in a great degree, in the course of twenty-four hours, any vessel which happens to be in its influence.

The water is a beautiful deep blue, and so clear that one may look far into its depths. On the edge nearest the coast, where it presses against the colder shore water, its line of meeting with the shore water is frequently so sharply defined that on one end of the vessel you may have the clear warm water from the south, while at the other end is the cold murky water from the north.

Nature is always wonderful, and one can hardly fail to be impressed by the grandeur of high mountains, lofty precipices, immense forests, glaciers and waterfalls, but the Gulf Stream is the greatest of all of nature's wonders on this earth. It is impossible to realize the immensity of it, because it does not appeal to the eye, and the mind can hardly grasp its magnitude by the aid of an array of figures.

We all know that the sea water is salt. Contained in every thousand pounds of water there are thirty-five pounds of saline matter. Now if you could stand on the shore of Florida, and could take all of this saline matter out of the water of the Gulf Stream as it flowed past, during only one minute of time, all the vessels in the world at the present time would not be enough to carry the load.

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Now what is the cause of the Gulf Stream? Some say that the water in the tropics, being heated, and consequently lighter than the cold, heavy polar water, flows northward on the surface, and the other water southward, underneath. Others say that the trade winds, always blowing in one direction toward the west, blow the water along too, and so begin and afterward keep up the movement.

Both are, perhaps, right to a certain extent, as to currents in general, but the Gulf Stream is probably almost wholly due to the wind and the waves alone. The water is pushed by the wind, and thrown by the waves into the Caribbean Sea, from the western end of which the accumulation of water runs into the Gulf of Mexico, and from there it escapes through the Strait of Florida into the Atlantic Ocean.—*The Youth's Companion*.

QUESTIONS IN CANADIAN HISTORY.

18. Who among Poutrincoourt's comrades was the historian of the infant colony of Port Royal?
19. What order of knights was created by Champlain at Port Royal, and for what purpose?
20. What Indian chief was a friend and ally of Poutrincoourt?
21. At what age was this chieftain baptised?
22. How many of his family were included in the baptism?
23. Give the names of the two Jesuit fathers first sent out to Port Royal from France.
24. What new settlement did the Jesuits attempt to make?
25. By whom were that settlement and the one at Port Royal destroyed?

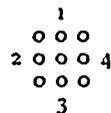
ANSWERS TO QUESTIONS IN CANADIAN HISTORY.

1. Denis of Honfleur and Aubert of Dieppe.
2. Cartier entered it on St. Lawrence's Day.
3. Hochelaga and Stadacona.
4. From *Kanata* a Mohawk word signifying a cluster of huts.

5. As far as Hochelaga.
6. Donnacona.
7. Three, possibly four.
8. St. Malo.

HIDDEN ORE FOR YOUNG MINERS.

DIAMOND PUZZLE.



- From 1 to 3 is the name of a Canadian poet.
- From 2 to 4 is the name of a Canadian statesman.
- From 1 to 2 is to defraud.
- From 2 to 3 is an insect.
- From 3 to 4 is a woman's name.
- From 4 to 1 is to plough.

CHARADE.

- My first is a vehicle.
- My second is to permit.
- My third is a preposition.
- My whole is a county in Ontario.

DOUBLE ACROSTIC.

A vegetable; a parting salutation; to gather in; something used by housemaids; a lot of land; a conjunction.

The initials spell the name of a Canadian poet, the finals that of a Canadian statesman.

NUMERICAL ENIGMA.

- I am composed of 19 letters.
- My 18, 7, 15, 6, 5, 11, 4 is a precious stone.
- My 6, 12, 10, 8 is a celestial body.
- My 13, 17, 7, 1, 2 is confidence.
- My 14, 19, 9, 16 is an Old Testament character.
- My 6, 3, 1 is encountered.
- My whole is the name of a country.

PRIZE COMPETITION.

The first among our young readers to answer correctly the Canadian History Questions and Hidden Ore contained in the March, April, May and June numbers of this Journal will receive *The Youth's Companion* for one year, subscription price \$1.75; the second will receive "Stories of New France", price \$1.50; the third will receive a book worth \$1.00.

The answers for the four months must be sent at one time, after the appearance of the June number.

Competitors must be under eighteen years of age.

Some member of the competitor's family must be a subscriber to CANADA, and only one can compete where only one copy of the Journal is taken. The subscriber's name must be sent with the competitor's.

FEBRUARY PRIZE WINNERS.

Canadian History. Mason R. Benn, Debec Junction, N. B.
 Enigma. A. W. Hay, Lower Woodstock, N. B. Answer, Montreal.