

For the Boys and Girls

NED'S TRIP TO MINOT'S LIGHT.

BY EDWARD A. RAND.

"Hurrah! Three cheers for the flag!"

"Where, Ned?"

"Oh, that is my way at school when anything pleases us. I mean the flag—where, Ned?"

"Yes, Uncle Charlie could see it and so did Mr. Handy, an old salt who was with them."

There was the lighthouse on Minot's ledge, its gray, massive shaft of stone rising above the waves sweeping all about it. It was more than a generation ago when Minot's Light was considered one of the foremost on the coast.

As Ned turned in the direction of the shore, he saw the waves washing over a ledge, and it seemed as if they were lifting their white caps and flourishing them as excitedly as he at the sight of the lighthouse.

"Uncle Charlie, how far is the light from the shore, please?"

"Well, Ned, it is about a mile and a half or so from the land. It is built on the extreme point of a dangerous ledge."

"I have been by Minot's Ledge many a holiday night," said Mr. Handy, "and it is a tough place. Those rocks would chew up a boat in less than no time in bad weather."

"They were now near the light."

"Handsome is not ugly."

"Yes, I think it is a noble column of stone."

"But how shall we get in? There is all round it. Oh, I see. There is a ladder up the side. And look, Uncle Ned, see that door away up in the side of the lighthouse."

"How high up do you suppose that door is?"

"Forty feet, and the entire height of the lighthouse is one hundred and four feet. It would need a great deal of rope to step from our level up to the threshold of that door."

"Do you climb the ladder, then? How funny it would be to climb up that ladder and then knock at the door and say, 'Can you let two shipwrecked sailors in?'"

"I'll climb the ladder to-day. We must be long up to the tower for that, and besides, it is delicate work for some kind of a climber to climb that ladder."

"Then how do we get up? That puzzle me. Perhaps they will drop a look and line and fish for us!"

Uncle Charlie laughed and lowered the end of his line. "There is a rope stretching from the lighthouse to a buoy in the water. We will tie our boat here, Ned."

"Just lock up, Uncle Charlie!"

Uncle Charlie turned and looked up. In the doorway of stone stood a man. He was barked and had a long, lashed beard. He was wearing a great flying over the water, but suddenly he stopped on the top of stone.

From an upper window projected a beam from which hung ropes that the man put to a good use for the lowering of a stout armchair.

There was a rope fastened at one end in the chair and the other end the man threw to Skipper Handy, who caught it in his big, brown hands. This enabled the skipper to pull the chair into the boat.

"See me, uncle. We go up in the chair."

"Yes, frightened, Ned?"

"No, indeed! I could ride in a dozen," said Ned, gallantly.

"But you couldn't all at once. Let me see. Skipper Handy, I guess I will take my nephew in my lap. We are not heavy, you know, skipper!"

The old skipper liked that title.

"Aye, aye, sir," he snuggled proud.

"You will look after the boat, skipper, while we are gone."

"Aye, aye, sir. I have seen enough of the light. I don't want to go."

"All aboard!" shouted Ned, gaily, "for Minot's Light!"

"The us in now, skipper, and tell them to hoist."

"Hoist!" shouted Mr. Handy, having bound the passengers in.

There were two men above, and they began to pull up their load. Uncle Charlie and Ned were dangling over the dark sea water.

"It's a bit ticklish," thought Ned. "Glad uncle is with me. Guess I won't ride in the dozen chairs. One will do."

"Up, up, up, up, went the stout armchair, like a sea-turtle rising out of the waters with a load on its back.

Ned heard the creak in the beam creaking and rattling away, and knew he was near the end of his ride toward the sky.

different. No longer ago than the latter part of the eighteenth century, we are told that the search-lights of Great Britain were only open coal fires. When the famous Eddystone Lighthouse was built, its first light consisted of a few wax candles on a chandelier. Then they began to use reflectors that caught up the scattering rays and threw them in one beam upon the sea. Then Fresnel proposed the plan of illumination with lenses. The metallic reflectors can be arranged about a cylinder so as to light the whole horizon, but not all parts with like intensity. Then they have been found to absorb too much of the light.

"It is said that there is a gain of one-fourth by using glass lenses or prisms. These are like one succeeding another, and they have this property of catching up the rays flying out in all directions, and as they strike these prisms, or lenses, they are refracted or bent in passing through the glass, and point out in straight lines across the sea toward every point of the compass. You see, these wrinkles, as you call them, have sharp corners. They are prisms, or lenses. Looking along the edge of this lighthouse lens, up and down its sides, it is saw-like. These are the angles of the prisms. There are various kinds of lights, Ned. There is the fixed light, shining steadily; there is the revolving light, shining then disappearing then, shining again; there are so-called lights, arranged to throw their beams mostly up and down the sound, rather than across, where the water is not so broad and less illumination is needed. To meet these varieties, there are special arrangements."

"But, uncle, you have been talking of what is about the light. Where is the light itself? It must be pretty big."

"The lamp, young man? Look in here," said Merry. "Go in, if you want to."

Ned went inside the lens. He saw the lamp in the centre. There were three concentric circles of wicking, and their diameters were one, two and three inches.

"Now, you see," said Merry, "you see that machinery inside the lamp. I turn a crank and it sets the machinery to moving, and then the oil is pumped up into the wicks. 'I'll just give you an idea."

Merry gave a turn to the crank, and Ned saw the flames disappear and reappear. "And these three wicks give that big light folks see at night?"

"Yes, with the lens' help."

"Oh, you think it was a far better burning up here?" asked Uncle Charlie.

"Why, no! But that is funny to see how a small lamp can make so big a light."

"It shows, Ned, how big a dazzle may be made by a little thing. 'With a little help,' interposed Merry, "could not get along without the lens."

"You must feel a sorry comfort, dark, stormy night, thinking you are leaping some good-by to their kind friend, and taking a ride down in what Ned called the 'sky-car,' and soon Uncle Charlie's boat was dashing homeward through the waves.



At the age of 134 years, this Pole journeyed from Blesk to Warsaw to recover the bells stolen from the village church by the Russians in their last retreat from Poland.

A Poem You Ought to Know

The Sea.

Last year occurred the centenary of the death of Lord Byron, whose name, while Keats and Shelley were almost unknown, went like a strong wind throughout Europe. His poetic achievements will always remain one of the glories of our literature.

Roll on, thou deep and dark blue ocean—roll!

Ten thousand fleets sweep over thee in vain;

Man marks the earth with ruin—his control Stops with the shore; upon the watery plain

The wrecks are all thy deed, nor doth remain A shadow of man's ravage, save his own, When, for a moment, like a drop of rain, He stinks into thy depths with bubbling brook.

Without a grave, unkenned, uncondemned, and unknown,

His ships are not upon thy paths—thy fields are not a spoil for him—thou dost arise

And shake him from thee; the vile strength he wields For earth's destruction thou dost all despise,

Spurning him from thy bosom to the skies, And sendest him, shivering in thy playful spray

And howling, to his Gods, where haply lies His petty hope in some near port or bay.

And dashed him again to earth— then let him lay!

Thou glorious mirror, where the Almighty's form Glasses itself in tempests; in all time,

Calm or convulsed, in breeze or gale, or storm, Icing the pole, or in the world eldime

Dark'ning—boundless, endless, and sublime— The image of eternity, the throne Of the invisible; even from out thy silene

The monsters of the deep are made; each zone

Obeys thee; thou goest forth, dread, fathomless, alone.

Bobby's Request

The picketers were obliged to cross railroad track in reaching the place where they were to have lunch and sit the Bobby, going ahead, saw a train approaching.

Early he shouted to his father, who was a tall, thin man, "Father, Bobby, or else give me the lunch."



Dickens in London is depicted as a scribe to "all Dickens" at Lord Bickenhead, secretary for India, is speaking from the balcony.

Stories About Well-Known People

What He Smokes.

"Although I'm probably the smoker in the kingdom," Sir Lipton remarked to a friend the other day, "I never smoke the other way." "I never smoke a pipe or cigarette," said my friend. "No, I smoke tobacco," answered Sir Lipton. "Really? Then may I ask you to smoke?"

"Bacon," was Sir Thomas' retort.

In Cocoa-nut Land.

Growing cocoa-nuts in the Indies is not a profession that attracted many women. But Miss Hamel-Smith says it is "the ideal" of the telephone, too, not very long ago. She employs sixty native laborers over a hundred acres devoted to cocoa-nuts.

"Life out there," she says, "is anything but savage. There are no earthquakes, no bad storms, and no snakes—and we have got a telephone."

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Dandy of the Army.

With the appointment of Field Marshal Lord Plumer to the post of High Commissioner and Commander-in-Chief, Palestine comes under the eye of the public.

Why Sixty Minutes.

Even countries that have adopted the decimal system of weights and measures still cling to the old method of dividing the hour into sixty minutes and the minute into sixty seconds. This division has survived through the centuries and revolutions of thousands of years. It appears to have started in Babylon. The Babylonians declared a year for business but counted time by sixties. Sixty may be that no other number so many divisions.

Half and Half With Vengeance.

There once lived somewhere about two farmers, who were their drift and their exact justice. Tradition says that of between the two farms grew a butternut tree. Every autumn men met to gather and divide a one occasion a squirrel third party and was cleverly run off with the last butternut the line fence he scampered him ran the two farmers, each own side of the fence, and crying loudly, "Drop it! Drop it!"

The men picked up the nut and divided it in half, after which the squirrel was well satisfied.

Regarding the reflections on in the tree top, history is a nearby tree.

The Kindly Critic.

With a jolt the car came to a stop in the middle of a busy street. The driver refused to acknowledge the starting handle. For he twisted the handle furiously, a small crowd collected.

At last an old lady stepped into the car, a penny into the motorist's hand.

"My good man," she said, "with all your organs were you?"

A Dancer.

Little Jimmy's father found him in the barn. He was shaking his pet rabbit and saying:

"Five and five. How much is five and five?"

The surprised father finally interrupted the proceedings.

"What is the meaning of all this, Jimmy?"

"Oh," said Jimmy, "teacher told us that rabbits multiply rapidly, but this fellow can't even add."

The Modern Touch.

The teacher in a London Sunday School had finished her lesson, and was, by way of recapitulation, questioning her class. "And who lived in the beautiful Garden of Eden?" she inquired. And a little girl replied: "The Aramnees, teacher."

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"Well, she's engaged to be married."

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an beloved by soldiers all over the world. Plumer, as they have long known him, used to be the dandy of the army. He still wears the stock and the rascals of some of his War Office colleagues. They learned to respect him and now are few more popular generals. I remember, a girl who was a friend of his, told me that he once pronounced the 'r' in your short or long?"

"I am," replied Plumer, quietly, "a dandy of the army. I have said to be favored by your sex. I hope so. But by his time the one had feet!"

He Struck Oil.

Count Beardsall, as the great oil man, formerly Sir Marcus Samuel, is known in Britain, has been called "the man who struck oil," as sometimes called in London. A people know that his millions for a man broke into her store of cocoa-nuts and she was able to get the police on the scent in less than minutes.

THE ATHABASCA BITUMINOUS SANDS

The Athabasca Bituminous Sands located in the Province of Alberta north of the city of Edmonton, and the terminus of the Alberta and Waterways Railroad. They are an area generally estimated at a hundred thousand acres. Of this area, only about 20 per cent is being developed. The remainder is still in the hands of the Government. The location of the sands and the topography of the country. In other words, the level area of land available for the location of the plant, there was material and overhead can be disposed of at a minimum cost.

An examination of the entire area shows three places where some of the conditions governing the development of the sands are favorable. These are: light, level, and plenty of land lying below the level of the sands which permits the sand to be hauled to the plant, and provides ample space for the disposal of waste sand from the retorts. Having these conditions, it is very important, since the cost of all the material to be treated, to prove an item of considerable importance after operations have started.

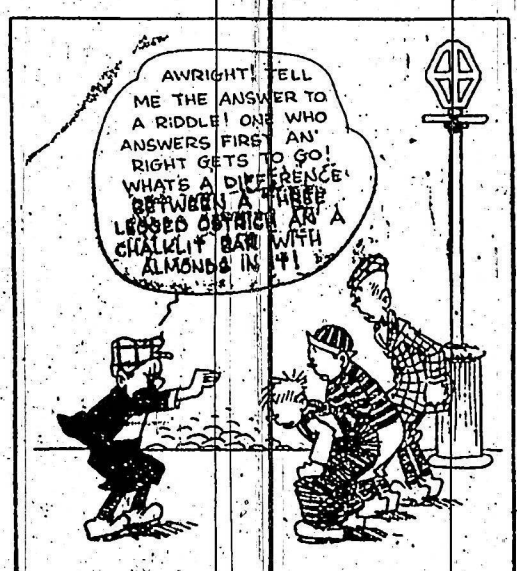
Three locations were selected for the junction of the Canadian and St. Lawrence Rivers; the junction of the Athabasca and Beaver Creeks; and the junction of the Athabasca and Beaver Creeks. The latter two locations were selected for the reason that they are more favorable than the first location. The latter two locations are more favorable than the first location.

WRIGLEY'S

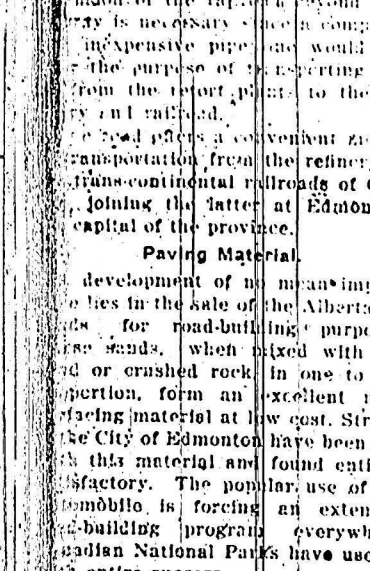
after every meal. Parents' children to the. Give them Wrigley's. It removes food from the teeth. Strengthens the gums. Combats mouth. Refreshing and benevolent.

development of a means important in the sale of the Alberta for road-building purposes. The crushed rock in contact with one or more feet of an excellent road-building material at the east. The City of Edmonton has been using this material and found entirely satisfactory. The popular use of the automobile is forcing an extensive road-building program everywhere. Canadian National Parks have used it in entire success.

REG'LAR FELLERS



An Easy Way to Lose 'Em



No in...
Do this an...
his de...
pure and...
able

Danger...

Sentence...

WRIGLEY'S
after every meal.
Parents' children to the.
Give them Wrigley's.
It removes food from the teeth.
Strengthens the gums.
Combats mouth.
Refreshing and benevolent.

SEALD
TIGHT
KEPT
RIGHT

WRIGLEY'S
SPEARMINT
GUMS