

THE LIGHT OF THE FUTURE

A Prophet Fulfilled Much Sooner Than the Prophet Dreamed.

THE BEGINNING OF ELECTRIC LIGHT

Inventor Brush's perseverance and the magnificent results—Instructive history detailed by the noted Cleveland electrician.

(Copyright, 1895, by Frank G. Carpenter)

"That, man, is the light of the future. That is electricity!"

"I am going to light the world with it!"

These were the words of a big, broad shouldered young fellow of 28.

They were uttered about eighteen years ago to an old man who stood in front of a shop on one of the side streets of the city of Cleveland and

looked with a frown on a glass globe in which blazed a ball of fire, as it were, between two black carbons the size of your little finger.

This old man was A. C. Baldwin of Tiffin, generally known throughout northern Ohio as old Uncle Baldwin, and noted for his great common sense and shrewd business ability.

He had made a fortune out of manufacturing chairs and he was now spending his money on his way to visit one of his relatives there.

He had left the depot and was walking through the streets. It was in the early evening and the gas lamps cast their flickering rays upon the pavement.

In one spot, however, there was a glare of light which came from this ball of fire in the glass globe.

It was before the inventor of electricity and old Uncle Baldwin stopped and gazed in open-mouthed wonder.

As he did so this big, broad shouldered young man came to the door. His shaggy arms were

crossed over his chest and he looked at the inventor of electricity with a frown on his face.

"What is that?" he asked, pointing to the ball of fire in the glass globe.

"That is the light of the future. That is electricity!"

"I am going to light the world with it!"

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walled vestibule contains another diamond globe, whose rays bring out the contrast between the whitened wood of the ceilings and the mosaic floor.

THE SERIES ARE LIGHTS, which might have been transplanted from the famed halls of Caracalla at Rome.

As you look at the globe, you will note that, though it is night, everything is as bright as day.

Mr. Brush has not invented the electric light to live in darkness, and his house is prepared to be lit at will.

There is, and there is certainly no other which is lighted in such a serious way. It is possible to have a lamp and a number of arc lights, and the electricity for these is furnished by storage batteries.

THE WINDMILL AND ITS DYNAMO.

There are, so he told me, ten tons of storage batteries in the house.

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THE OVERSHADOWING FAD

An Irresistible Mania Pre-Empts the Land and Captures the Natives.

EVERYBODY WITH WHEELS, MORE OR LESS

A Symposium of Interesting Gossip for Expert and Amateur Riders, as Well as Beginners—The Bike Thief Abroad in the Land.

Small talk is certainly being put among women nowadays.

Their conversation takes on the sporting tone of their athletic brothers

on the bicycle road, and has become so universal.

The visitor at the cycling academies in the large cities never hears a breath of gossip, and not much about beaux and clothes, but he will hear a great deal about coasting, scorching, heading and various other things interesting to cyclists.

"I just can't take care of my wheel," said a discouraged girl to a New York Sun reporter.

"I've had the instructor explain and illustrate three different times what I must do, and I've read two excellent articles in the papers on the proper care of machines, but I can't grasp it somehow.

When the instructor is talking it seems a perfectly simple matter, and when I take my cycling scrap book from his shelf and read the clippings about that subject I feel as if I could take a whole day to do it, but when I come to it I find the tire—really fat, do anything with it, but if a screw really gets a little loose I'm as helpless as a baby and can't even find which one it is."

A western girl sat on a bench near by humming and patting her foot on the floor, but she heard what was going on, and retorted in a playful way: "Why, you wouldn't attempt to take care of my wheel. Why don't you keep it at a stable?"

"A stable? What kind of a stable?"

"Why, a bike stable, of course," said the girl from the woolly west.

"Let me see your wheel," she said, and she took it from the girl and examined it for a few minutes.

"It's a very pretty business, but I'm sure there must be some thing wrong with it, for a New Yorker has everything that paid. You see it is this way: There are a great many people, like yourself, who ride wheels and either cannot or do not have the time to take the proper care of them.

Machines are not so unruly as horses, perhaps, but they are just as much to be cared for. It is to keep the nickel-plate bright and the tires and chains in first-class running order. The man who works down town and wishes to get to his office in the morning without any place to keep it unless there is a bicycle stable. And think of the masses of people who live in boarding houses. What a nuisance it is to have a bicycle in the room. However, I do not see why there will be new inventions as long as man has mind to create and the will to investigate the great things of nature and the possibilities of their combination.

THE POSSIBILITY OF NEW INVENTIONS.

"Do you anticipate many new inventions in electricity in the future?"

"I have heard of a great many, but the electric force is still to a large extent a secret from us all. Of late years there have been few new fundamental inventions in electricity. There have been many improvements and modifications of the old ones. The light is steadily being made better, but it is not a new thing, just as, for example, we have had a new kind of bicycle training, but since we were born, but the locomotive of today is a far different machine from that of forty years ago. It embodies the same fundamental principles."

"Where is the chief work being done in electricity today in the field of electro-chemistry or heat electricity. It is now thought, you know, that all light and heat are produced by electricity, and that the electric force is the best work now being done."

HOW BRUSH PROTECTS PATENTS.

"How about patents, Mr. Brush? I once had an interview with Mr. Thomas Edison, in which he said that he had had a patent on his inventions, but that he had not had one minute's protection. You have had considerable experience with the patent office. How do you protect your inventions?"

"I have had a great deal of experience with the patent office, and I can tell you that it is a very long and tedious process. I have had to defend my inventions, but that has not had one minute's protection. You have had considerable experience with the patent office. How do you protect your inventions?"

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