

THE WORLD OF ELECTRICITY.

Some Interesting Experiments in the Lighting of Railway Trains.

A VERY POWERFUL SEARCH LIGHT. The Steamer Connecticut Can Locate Vessels Two Miles Away—Electric Headlights for Locomotives—A Long Distance Telephone.

The paper read by Mr. M. B. Leonard at the meeting of the Association of Railway Telegraph Superintendents is worthy of more than casual notice. It deals with the use of electric lighting in the service of railways, and treats a wide subject in a very compact and complete manner. The electric light first found its way into favor with railway officials from its great usefulness as a method of illuminating stations and yards where in many cases there is much night service, and where the need for something more powerful than lamps or gas had long been felt.

Train Lighting in Switzerland. The application of electricity for the lighting of railway trains is a problem that yet remains to be satisfactorily solved, but notwithstanding this, many electric light systems have been installed in various localities to arrive at a definite conclusion, says the Electrical World.

A Long Distance Telephone. W. C. Turnbull is a Baltimorean, who has made a highly improved telephone which can not, however, be set up in this country until the Bell patent expires.

Spark. A modification of Edison's phonograph is said to have been devised by a painter in Milan. It costs under \$20 and the wax cylinders are produced in zinc by the galvanoplastic process at a cost of 5 cents each, selling price.

A Powerful Search Light. The Steamer Connecticut, of the Providence and Stonington steamship line, has been equipped with a new Huntington search light, says the Providence Journal.

Electric Headlights for Locomotives. The electric headlight for locomotives, to which we have briefly referred, reflects a beam of 8,000 candle power, though it may be regulated to any lower degree of illumination, says the Boston Transcript.

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by a flexible wire. An automatic arrangement in the cable allows of the current being shut off, turned on, or the light regulated anywhere from minimum to maximum power. The lamp itself is enough different from the ordinary arc lamp to be patentable.

The lamp is so constructed as to burn about twenty inches high, which serves as a guide to the two sleeves which hold the carbons, and which, by the aid of a little electric motor, move toward each other as fast as the carbons are consumed.

The apparatus of this little motor revolves 3,200 times for every inch of carbon consumed, and stops whenever the carbons touch. The mechanism so controls the carbons as to insure a steady and unflashing light, and no amount of jarring will either break the lamp or alter the uniform light.

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DISCOVERY IN MEXICO.

A Pyramid with a Spiral Roadway from Base to Summit. During the recent visit of Jesse R. Grant and Charles J. Whipple to Sonora, Mexico, on business they were much struck with the sight of a terraced mountain, says the Tucson Star.

It is located about fifty miles southwest of Magdalena. The mountain is circular in form, about three-quarters of a mile in diameter at the base, and is terraced from base to peak. The height of the summit is from ten to twelve feet, and in many places is built of solid masonry.

At the base of this terraced mountain is a mighty rock, which has the appearance of having been hewn out of a solid rock and weighs 100 tons or more. It is placed at the mouth of what appears to be the entrance to this terraced mountain.

Hoods Sarsaparilla is in favor with all classes because of its economy and strength. 100 doses one dollar.

ARMY ENLISTMENTS.

What is Required Before a Man Can Become a Soldier.

It is not every man who takes it into his head that he would like to be a soldier who is accepted at the rendezvous. Sometimes very few men are needed by the army, and there are enough soldiers of the class usually called "fat lot," says a writer in Harper's Weekly.

The recruit whose appearance satisfies the officer, if men are wanted from an office at which he makes his application, having given his name, birthplace, age, etc., with whatever of his personal history he sees fit to intrust to the commanding officer.

The Russian minister of the interior has submitted for the approval of the ministerial council a bill for the suppression of horse stealing. It prescribes that any one who is convicted of moving about in Russia, and that owner of a horse must take a certificate from the police or from the authorities of his rural district attesting his right of ownership.

At a Tri Remedy for Hilariousness. Those who suffer from disorder or inaction of the liver will never get the upper hand of an unruly organ so long as they continue to resort to blue pills, calomel and polyphilia.

English Women's Corns. There is only one lady chiropodist in London, and there are very few in New York. Miss Mary Libby, a bright little American woman, has settled as a chiropodist in Rochester, N. Y.

The largest number of corns the chiropodist has yet discovered on a woman's foot in London is six.

Miss Libby is a skilful manœuvre. She has invented a remedy to prevent bad-tempered people from biting their nails. By the way, manœuvring seems to be better paid than chiropody.

Always Pay Cash. A retired Detroit merchant says the most independent man on earth is the one who pays cash and runs no bills.

Australia's Rabbit Plague. The vastness of the rabbit plague in Australia is indicated by the fact that the government of New South Wales estimates the expense of erecting rabbit-proof wire fencing in the western and central districts of the colony at \$15,000,000.



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