

ELECTRICITY'S ADVANCE

Many Improvements Seen In the New Inventions.

FINE EXHIBITS AT PAN-AMERICAN

Progress Shown in the Line of Greater Compactness With Increased Power and in Appliances For Public Safety in Transportation, Electric Railroad Devices.

Other world's fairs have marked the progress of electrical development by the telephone, the incandescent light, the trolley car and the phonograph.

The Edison storage battery is shown in a small glass box. Only one cell is exhibited. The weight is 5 1/2 pounds.

Automobile batteries are of from four to nine horsepower. The saving in weight on a four horsepower automobile is that of 240 pounds compared with 850 pounds.

An exhibition of the electric system used on the Manhattan Elevated railway is made by a Schenectady company.

A half pound downward pressure on the controller is required of the motor driver who is in control of the whole train.

A new electric brake is shown on a standard trolley car truck with 38 horsepower motors. It works independently of the trolley and could control a car which had slipped its trolley on such an incline.

The machinery used in the development of Niagara falls power is shown. New forms of electric lights, are and incandescents, are exhibited, producing a more refined light, but no invention of practical value in that line is shown.

The speed when running on the surface will be about 10 knots and when submerged about 7.5 knots. The radius of action of the boats will be 400 miles in ordinary cases and 2,500 miles in cases of emergency.

Among the improvements in the new form of boat is that they will be able to carry five instead of three torpedoes, thus making them over 60 per cent more formidable than the old style boat.

LEADING THE WORLD IN COAL

Production of the United States in 1900 was a Record Breaker.

Official reports show that the year 1900 closed the century with the largest coal production ever recorded in this country and continued the supremacy of the United States among the coal producing countries of the world.

Coal producers felt a much greater benefit from the improved trade conditions in 1900 than in either 1898 or 1899. Coal contracts are usually made a long time ahead, sometimes more than a year.

In the government building the electric typewriter is to be seen. It is capable of twice the speed of the ordinary machine if the operator be especially efficient.

As yet no medical genius, says the Baltimore American, has instituted an investigation to ascertain whether or not a mosquito will die if bitten by a fellow fever patient.

KIPLING'S LATEST POEM.

"The Bridge Guard in the Harrow," Published in London Times.

"and will supply details to guard the Broad river bridge."

District Orders—Lines of Communication.

Sudden the desert changes; The raw glare softens and elings Till the swirling Oudshoorn ranges Stand up like the thrones of Kings.

Rolls the pageant close, Lit by the last of the sun; Opeal and ash of roses, Cinnamon, amber and gum.

The twilight swallows the thicket; The starlight reveals the ridge; The whistle shrills to the picket; We are changing guard on the bridge.

(Few, forgotten and lonely, Where the empty metals shine, No, not combatants; only Details guarding the line.)

We slip through the broken panel Of fence by the gangster's shed; We drop to the waterless channel And the lean track overhead;

We stumble on refuse of rations, The leaf and the biscuit tin; We take our appointed stations, And the endless night begins.

We hear the Hottentot herders As the sheep click past to the fold And the click of the restless girders As the steel contracts in the cold—

Voices of jackals calling And, lead in the hush between, A morsel of dry earth falling From the flanks of the scarred ravine.

And the solemn firmament marches, And the hosts of heaven rise, Framed through the iron arches, Banded and barred by the ties.

Till we hear the far track humming, And we see her headlight plain, And we gather and wait her coming, The wonderful north bound train.

(Few, forgotten and lonely, Where the white car windows shine; No, not combatants; only Details guarding the line.)

Quick, ere the gift escape us, Out of the darkness we reach For a handful of week old papers And a mouthful of human speech—

And the monstrous heaven rejoices, And the earth allows again Meetings, greetings and voices Of women talking with men.

So we return to our places As out on the bridge she rolls, And the darkness covers our faces, And the darkness re-enters our souls.

More than a little lonely Where the lessening tail lights shine; No, not combatants; only Details guarding the line!

—Rudyard Kipling.

NEW TORPEDO BOAT FULTON

Deadly Submarine Craft Launched at Elizabethport, N. J.

The new submarine torpedo boat Fulton of the Holland type, which was recently launched at Lewis Nixon's shipyard in Elizabethport, N. J., measures 63 feet 4 inches in length, 11 feet 9 inches in diameter and 2 feet high.

The motive power will come from a 150 horsepower gasoline engine when running on the surface and which is also used for charging the electric and the compressed air accumulators.

The speed when running on the surface will be about 10 knots and when submerged about 7.5 knots. The radius of action of the boats will be 400 miles in ordinary cases and 2,500 miles in cases of emergency.

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In the government building the electric typewriter is to be seen. It is capable of twice the speed of the ordinary machine if the operator be especially efficient and has new methods for automatic spacing between words and between lines.

As yet no medical genius, says the Baltimore American, has instituted an investigation to ascertain whether or not a mosquito will die if bitten by a fellow fever patient.

The "golden spine" is the latest bit of trouble, and being a somewhat aristocratic ailment, says the Boston Herald, it is pretty sure to become a popular ailment.

OUR CRITICISED ENGINES

A Motive Power Superintendent Resents Foreign Statements.

SAYS THEY ARE NOT IMPORTANT.

Claims the American Locomotive is Very Durable—Both its Hauling Power and Fuel Economy Greater Than Those of the English Engine. The "Coddling" Practice.

Of criticism of American locomotives in England and other European countries the motive power superintendent of one of the largest trunk line roads had this to say the other day, says the New York Post:

"I certainly question the statement that the American locomotive burns more fuel per ton of freight than the English or other foreign locomotives. I know, in fact, that the European engines cannot haul anything like the tonnage easily taken by our locomotives here.

"These criticisms of so-called American locomotives on English roads in any event are not important, for there has never been a test of an American type locomotive in England.

On the other hand, some years ago the Pennsylvania railroad imported a London and Northwestern railway engine and conducted exhaustive comparative tests, in which the greater efficiency and adaptability of the American locomotive were conclusively brought out.

"I don't believe the Pennsylvania mechanical engineers got a single new idea from their experience with their English engine.

"The railroads here and in England follow different theories in working their locomotives. I will admit that our engines are not as carefully built as abroad—that is, not so much care is taken in finish and to make a fine appearance.

"One of the anxieties of English railway locomotive officers is to see that they do not overwork their engines and that they are properly 'rested.' The result is that they are in service much less than half the time, while interest on their cost is running up without return in income earned.

"Under such practice an engine at the end of 30 years is still too good to demolish, and it is continued in service on an uneconomical basis. Now, as soon as I get a new engine in service I am prepared to work it as continuously as is possible and to hammer its life out in hauling traffic over the road with the least possible time spent in the shops or idle for any cause.

"Nor are English or other foreign locomotives called upon to haul the loads which are required in this country. Engines on this road, running over a division with grades of from 15 to 30 feet, easily haul 3,700 tons in a train, and we can crowd them up to nearly 4,000 tons.

"The American builders were limited in their designs by the clearances of the English railway and by other considerations, so that their proportions are entirely unlike any American engine, and their performances, whatever they may have been, furnish no basis for judgment on American locomotives."

They have gathered his kith and kin, In a prison beyond the sea; But they can't imprison a daring soul. That lives in a bosom free.

That has shattered the calcine walls Which sheltered his child and wife, But they can't extinguish the flame they've lit, Till it dies with his dying eye.

For its never the act of a burning home, That has softened a foeman's heart, And its never the reek of a lyddite shell That has riven his ranks apart;

And it isn't money, it isn't men, When the guns' loud songs begin; But its feeling your foot on your native soil, And its being right that wins.

Houston Post: Depew has called all the reporters around him and gravely informed them in a two hours' talk that he positively will not be interviewed.

Indianapolis News: The steel trust may feel more like conferring again, when it has worked off its products on the rising market. So far, probably, it has not lost much.

Milwaukee Sentinel: Mrs. Quitnow of Topeka, Kas., has presented her husband with twins a second time, and was mean enough to ask her why does not live up to her name.

Fred Schmidt & Bro. 917 to 921 O St., Lincoln, Neb. 3 1/2c per yard—Indigo Blue, gray and fancy Prints, Worth 5c.

REPEATED ECONOMY CHANCES IN DESIRABLE Dress Goods. 12 1/2c plaid and broadcades at, per yd. 10c. 20c Broadcades at, per yd. 17c. 30c Granite and Brocades, 36 and 40 inches wide, per yard. 24c.

Children's Headwear. A nice line. 25c 50c and 75c.

Pants At Reduced Prices. 75c and 85c Cottonade Pants, at, per pair. 63c. \$1.25 Cottonade Pants at, per pair. 98c.

A Big Drive in Men's Shirts. 35c value working shirts at. 23c. 10 dozen men's working shirts, worth 50c, at, each. 38c.

Wrappers. Those who want a wrapper in which they will look well, should see this line. They are of really good material, are made with enough fit to give neatness to the figure, and still are loose enough for comfort.

A BARGAIN IN Percales. 12 1/2c Queen and Minerva Percale, in light and dark at, per yard. 9c.

MAIL ORDERS PROMPTLY FILLED AT THE VERY LOWEST PRICES

A Rebel of the Veldt. Saddle and bridle and girth. Stirrup and crupper and bit; Man on the top of a little horse, Shaggy and strong and fit, Rugged and bearded face.

WON A BURIED CITY. College Graduate Presented With United Prize. A buried city in Palestine has been bought for Martin Meyer, the valedictorian of this year's class of the Hebrew Union college of Cincinnati, says the New York World.

Blankets AT SPECIAL PRICES. 50c cotton blankets, per pair. 43c. 65c 10 1/4 cotton blankets, per pair. 55c.

Bed Comforters. UNDERPRICED. 75c full size bed comforters, each. 67c. \$1.00 full size bed comforters, each. 89c.

Men's Neckwear. The remarkable elegance and excellence of our new neckwear has brought forth complimentary remarks from lots of delighted patrons.

Men's and Boys' Sweaters. 50c men's and boys' sweaters at, each. 43c. \$1.00 sweaters at, each. 89c.

Shoes. Fall footwear in the same styles shown by other leading city stores, but at smaller prices is our boast, and we make the assertion good.

School Shoes for Boys and Girls Very Cheap. Children's dongola kid and kangaroo calf, lace and button, 8 1/2 to 11, per pair. 87c.

Big Values in Shoes for Father, Mother, Sister and Brother. Women's shoes, lace and button, kid and calf, 2 to 8, per pair. \$1 35.

THE HOMEMAKERS' SETTLEMENT in the Great Snake River Valley, Idaho. Formed under the auspices of the Nebraska Independent. Grandest Plan of Home-making ever undertaken.

PILES permanently cured. We can faithfully promise you an absolute cure—no matter what your condition—for External, Internal, Blind, Bleeding or Itching Piles, Chronic or Recent, without undergoing any surgical operation or interruption of business.

OUR GREAT FREE WATCH OFFER. One Thousand Boys and Girls earn this watch every week. You can do the work in one hour. Send your name and address, no money. We will forward a book of ten coupons, each good for three months' subscription to the best home magazine in America, to be sold at 10c each.

SYPHILIS OR HAD BLOOD CURED—1st, 2nd, or 3rd stages of Syphilis cured for \$20. Full 12 box treatment never fails. Pimples, skin eruptions, etc. vanish as if by magic.