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RATES OF ADVERTISING. One square, one inch, one insertion... 10c. One square, one inch, one month... 30c. One square, one inch, one year... 300c.

Men of science say that the chemist will dominate coming inventions. Canadian newspapers express disappointment at the surprisingly small increase of population shown by the census.

Statistics go to show that the male population of the civilized world is falling farther and farther behind the female. Dr. Dawson, one of the English commissioners appointed to investigate the fur seal question, has expressed the opinion that the seal is an animal that cannot be exterminated.

The magnitude of the Chautauqua movement is illustrated, remarks the New York Commercial Advertiser, by the fact that the entering class, which is to pursue a three years' course, contains the names of 15,000 students. The helplessness of an Asiatic in time of peril is proverbial, observes the San Francisco Chronicle, but this trait was probably never shown more conspicuously than by the Japanese who allowed wife to be swallowed by a boa constrictor.

A satisfactory test is said to have been made of a new machine designed for use on railroads to clear away wrecks, whose simplicity and power are such that a small boy would not have the slightest difficulty in pulling an engine or car out of a ditch with its aid. It is the invention of a citizen of Newton, Mich.

Widespread interest has been aroused in the subject of cruelty to animals at sea, declares the New York Press, by the exposure of Mr. William Hoses Ballou. The Montreal Star states that he aroused discussion in the Canadian Ministry as well as on both sides of the Atlantic, and gave rise to a question of international importance.

Frank Babbitt, the Boston traveler, says horse-car conductors the world over are well informed and affable as a rule. Frank Vincent, the great South American explorer, says he has found women in strange lands more courteous than men. Alving Park had, of course, one experience at least which must have led him to an opinion similar to Mr. Vincent's.

A mile from the village of Dwight, Ill., on the Chicago and Alton Railroad, is the model stock farm of Mr. Prime, son of the Rev. Dr. Freeman Prime, once of the New York Observer. It contains some 800 acres, is in a high state of cultivation, and is one of the show places of the country.

Says the New Orleans Pioneeer John Doe owns a farm in New York on the bank of the Niagara River, and he makes an honest penny now and then pasturing cows for his neighbors.

TO A CLOUD. Under the bending mountain skies I lay, with half-shut, dreamy eyes, In the sweetest nook of spring, When a little cloud came, so soft and white, It seemed but a fleecy streak of light, Or the flash of an angel's wing.

I had marked the mountain's fiftieth hood, Its tall head wrapped in a flame-red hood, Or its base in a misty shroud; But through all its cliffs where sunbeams played, And in all its shifting light and shade, There was nothing like the cloud.

So far, so far, it seemed to float, With airy grace a white-winged boat, And the deep-blue sky for a sea. It might have been that an angel crew Were voyaging the distant blue, With the Pilot of Gallies.

O winsome ship of the upper sea, My fattered thought looks up to thee, In thy aerial meanderings, And long as thou art decked to tread, Thy cloudland-charted course to thread Through realms of trackless space.

In vain does blinded science guess The texture of thy dewy dress With earthly mechanism; I view thee through another glass, And make thy borrowed beauty pass Through Fancy's finer prism.

But, ah! no cloud-compelling Jove Will hear the prayer I breathe above To stay thy wayward flight; And while I strain my yearning eyes, Thy trailing banners through the sky Are bidding me good-night.

—William Rice Sims, in Lippincott. A WIFE'S TRIUMPH. BY SHIRLEY BROWN. "I don't deny but what I was considerably surprised to hear of Joe's marriage," said Mr. Ailesbury, sitting in his wheelchair in the sunshine.

"What a good thing it is, that a man should be able to get a wife," said Joe, leaning back in his chair and looking at his wife with a smile.

married—ordinarily, oftener than once in a life-time. "Joe, she's an angel!" "Joe, I'm sorry I said all them things about her. Do you suppose, Joe, she'd stay here? I'd hire a gal to do all the rough work!"

"We have planned, sir, to move into the Barrow cottage, and—" "But you mustn't do that, Joe. I can't feel to let her go," urged the old man. "All the luck would go out of the house, once the door closed on her. Ask her to stay, Joe. Tell her—"

"The door opened softly. Ellie herself came in. "Father, do you want me to stay?" "God knows that I do, child!" "Then I'll stay."

That self-same evening Berenice Stubbs was engaged to remain permanently as house-worshiper and general factotum. "Yes, I'll undertake all that," said she. "Mrs. Joe mayn't know much about housekeeping, but there's let's Mrs. Joe can do the things I can't."

And Ellie took her place as queen of the little home kingdom. "Your wife must be a wonderful person, Joe," said the squire, next week. "Your father is never weary of singing her praises, and Berenice Stubbs never heard a word in her disfavor. And of all the people that I know, your father and Berenice are the hardest to please."

"Well, I rather think she is," said Joe.—Fashion Review. Ninety Miles an Hour. A mile in 39.45 seconds or at the rate of over ninety miles an hour is the fastest run ever made by a railroad train.

This unparalleled feat was accomplished the other day on the Bound Brook railroad between Neshaunim Falls, Penn., and Langhorne by engine No. 206, drawing two ordinary coaches and President McLeod's private car.

"Reading," which is equal to two coaches in weight. Other miles were rooked off with speed as astonishing as this crack mile, and at the second of the "fly" the world's record was broken.

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GREATEST OF VOLCANOES.

THIS IS MAUNA LOA IN THE SANDWICH ISLANDS.

It is the Most Important of Modern Volcanoes—A Great River of Lava 100 Feet Deep.

On a recent map of Hawaii, the largest island of the Hawaiian group, a number of black marks, some narrow and some very wide, extending from a common center in the interior to many points of the compass, some of them reaching the sea, forty to sixty miles away.

These marks represent the areas that during this century have been covered by lava, flowing from the greatest volcano in the world. In 1887 Mauna Loa gave two terrific displays of the most intense volcanic activity. The average interval between the eruptive periods of the volcano is about eight years.

Mauna Loa is nearly 14,000 feet high, and the ascent along the most accessible route to the summit can easily be made on mules. The slope of the mountain is so gradual, that it takes, along the usual route up the mountain, twenty miles of travel to gain an altitude of 9500 feet.

It has been observed that the great eruptions of Mauna Loa have generally been preceded by intense activity at the summit orifice—the emissions there, however, never overflowing the great lava walls in the basin in which they are confined.

After the great eruptions are in perfect quietness in all parts of the mountain, Captain Dutton's theory is that within the mountain an accumulation of eruptive energy and material is constantly in progress, which "at first seeks an outlet through the summit orifice; but at the accumulation goes on the mountain itself is ruptured."

SCIENTIFIC AND INDUSTRIAL.

Bottles are made by machinery. Bethlehem, Penn., has the biggest hammer.

Chicago is about to add to its attractions a steel chimney, 250 feet high.

Electricity is now being made to serve for use of headlights on locomotives.

Eye blinds and dark stables are said to be the greatest cause of blindness in horses.

A locomotive is running on the Chicago and Alton road which consumes its own smoke in the stacks.

It has been calculated that 100 laying hens produce in egg shells about 137 pounds of chalk and limestone annually.

Henry Curtis Spalding claims that the idea which Greatwood utilized in his patents for tunneling really originated in America.

A French amateur photographer has mounted a camera on a kite, and gets remarkably clear views from a height of 100 to 150 feet.

Papier mache oil cans which are now being made are very durable, and impervious to any spirit or oil likely to be used in a machine room.

An expert electrician asserts that an electric train making 125 miles an hour would require 7000 feet in which to come to a standstill.

A physician in Crecow, Poland, has made some remarkable cures of cancer with a new medicine called cancorin. Its ingredients have not been made public.

An English physician, Dr. Lennox Wainwright, affirms that a mixture of menthol and carbonate of ammonia has proven to be the best remedy for hay fever. It is used as smelling salts.

Steel is now being used in the construction of large chimneys. Its weight is about one-third that of a brick structure of the same conducting power, and much economy in space is secured.

A hotel in Hamburg has been built entirely of compressed wood, which, by the pressure to which it is subjected, is rendered as hard as iron, as well as absolutely proof against the attacks of fire.

A light and compact form of rolled steel or iron columns has been placed on the market. They consist of two I beams bent longitudinally at right angles and bolted together with a small I beam between them.

The high price of coal on Mexican railways has resulted in the adoption of a novel type of compound engine and locomotive, and a consequent saving of twenty-five per cent. in coal is obtained with only a slight increase in weight.

Delicate electro-magnets are now successfully used in optical surgery for the removal of pieces of iron or steel which have entered the eye. The attractive power of the magnet causes such particles to be drawn to it, and they adhere when the magnet is drawn.

The largest gnomometer in the world is now being built for a London company. Its diameter will be 300 feet, and the height 180 feet. Its capacity will be 12,000,000 cubic feet and weight 2220 tons.

It will take 1200 tons of coal to fill it with gas. The use of the search light on naval vessels when on blockade duty is being severely criticized, as it has been shown that they serve to show the position of a vessel which would otherwise be invisible, thus making an attack with torpedo boats possible.

A novel idea in the running of street cars is that recently suggested and tried near Richmond, Va. Eight heavy springs are used, which are connected to the axle by suitable gearing. A winding engine will be built at the ends of the lines, which is four miles long.

Some of the monstrous cranes used in the Baldwin locomotive works at Philadelphia lift a big locomotive as easily as a mother does a baby. Each of them saves the labor of 150 men and does away with the necessity of having a complicated system of tracks for shifting the locomotives.

A late invention, the cushion car wheel, is described as being a thick rubber band placed between the tire and centre of the wheel, and which acts as a cushion, absorbing all vibrations. The rubber is so attached as to make any danger from a hot box or from corrosive action an improbability.

A new Swedish glass is claimed to have important advantages for microscope and other fine lenses, giving greatly increased power. The chief improvements over other fine glass consists in the addition of phosphate and chlorine, which impart absolute transparency, great hardness and susceptibility of the finest polish.

An Electrode in the Stomach. Herr Einhorn, a medical electrician, has devised an electrode for entering the stomach so as to enable the operator to send a current of electricity from the interior of the body to the exterior, or vice versa.

The electrode consists of a fine wire, which is inclosed in an india-rubber tube, terminating in a capsule. The capsule is perforated so as to allow the current in the wire to escape to the stomach, while preventing the wire from touching the coats of the latter.

The patient drinks some water and swallows the capsule like a pill. The other electrode is applied to the skin in the ordinary way.—London Globe.

Raising Poultry in Cuba. Poultry is, to some extent, raised in Cuba. In the streets of Havana may be seen some of the worst-looking specimens of poultry one could imagine, flying, as most of them do, on the refuse matter about the marketplaces.

There is a lack of the bright red comb and healthy, clean appearance of farm-raised stock. On a few of the photographs may be found some of our leading breeds. There is a field for this industry, rightly managed, in this section of the country.—American Agriculturist.

A Historic Sandstone. Pawnee Rock, on the old Santa Fe trail, is an immense pile of historic sandstone in Barton County, where the Pawnee Indians used to gather, and remains say that in its shadow they made their last stand in a bloody battle against Cascanian encroachment.

But great of gain has been the ruination of an interesting landmark, and it is being quarried and sold at \$1.50 a load.—Pittsburg Dispatch.

OVER THE RANGE. Over beyond your mountain range, That dim, blue, spreading line, There lies a country wondrous strange, A country that is mine.

You may have crossed that highest peak, But, prithee, tell it not; The spell may vanish if you speak 'Of that enchanted spot.

When I was young and full of dreams, And watched the red sun set, I thought I caught the golden gleams Of rounded minaret.

Of tower, and of tapering spire, Of rosettes in the sky, Then thought I (I thought lit by desire), Beyond some city lie.

When twilight faded into night, And o'er the wooded earth, Blew Southernephyr, cool and light, Which waked new dreams to birth, And on the breeze a fragrance flew That lingered in the air, This sweetest conclusion tho' I drew— The Land of Flowers is there.

Now youth has gone—my other dreams Have faded into naught; But with the golden sunset streams Still lives one youthful thought; And fairyland my musing fills— It may not, may not be— But yet beyond that range of hills I will not go to see.

—Finest Scott Mines. HUMOR OF THE DAY.

A catch phrase—"Stick 'em!" A flagging industry—stopping trains.—Baltimore American.

Gay circles naturally indulge in rounds of pleasure.—Baltimore American. The forger is always careful to get a good name.—Binghamton Republican.

Man needs somebody to sympathize with him even in his meanness.—Galveston News. Potage stamps bought of a druggist generally go from pillar to post.—New York Journal.

The farmer who hides his light under a bushel incurs the risk of needing a new barn.—Lowell Mail. Corn is well provided with ear-talk doesn't amount to much, it's too husky.—Lowell Courier.

A Western farmer recently threshed 1200 bushels of wheat and two tramps one day.—Boston Bulletin. "I have a misgiving in this affair," says the father said when he gave away the bride.—Baltimore American.