DYNAMITE GUN VESSEL VESUVIUS IN ACTION.

TARGET FOR ALL EYES.

The Dynamite Cruiser Vesuvius May Revolutionize Naval Warfare.

The naval authorities of the world are anxiously watching the dynamite cruiser Vesuvius, that tiny craft whose pneumatic guns did such terrible execution at Santiago. The Vesuvius is in a class by herself; there is no other vessel like her in the world. This is the first time in the history of warfare that high explosives have been used in pneumatic guns and the success that attended the trials of the Vesuvius at Santiago will in all probability revolutionize the construction of warships. With

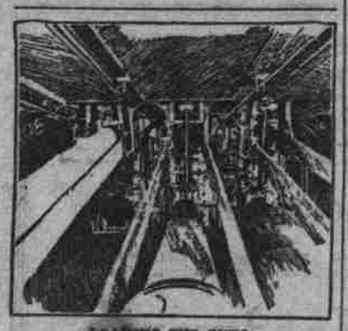
REGULATING THE PRESSURE.

a greater range of fire, which it is believed by experts can and will be obtained by improvements in pneumatic guns, the Vesuvius, or a vessel carrying similar guns, would be more than a match for the best battleship afloat.

The Vesuvius was built by Cramps at Philadelphia in 1890 and was accepted by the government and placed in commission four years later. Its armament consists of three pneumatic guns, which are in the forward part of the vessel. The guns are built into the vessel, which acts as a movable gun carriage. Their muzzles are carried forward and project above the deck, near the bow, at an elevation of 18 degrees. They are made of thin cast iron, are 15 inches in diameter, and are 54 feet long. They are not rifled, the vanes upon the projectile being relied upon to give the desired axial rotation. The full-sized shells for the guns are 14¾ inches in diameter and about 7 feet long. A tail is fitted at the end of the shell with spiral vanes, which secures its alignment and rotation. They are designed to carry a charge of 150 to 200 pounds of dynamite or guncotton, and the effect of the latter charge the results at Santiago attest. Experts say that if one of these giant shells exploded within twenty feet of an armored vessel, a large section of the hull would disappear.

The shells are hurled from the guns by compressed air and so powerful is this force that they can be sent with accuracy a distance of two and a half miles. The air is compressed into reservoirs containing a large number of wrought iron tubes. Each shot that is fired at a mile range takes 150 pounds of air.

The guns are loaded and handled with ease. Under the rear of each gun are two "revolvers," each containing five chambers for the shells. When the



LOADING THE GUNS.

gun is to be loaded the breech is unfastened and falls on a pivot at the extreme rear end. The opening in the gun comes directly in line with the lowest chamber in the "revolver." A hydraulic ram pushes the shell forward into the breech, which is at once swung upward, completing the continuity of the barrel. The "revolver" is thus turned forward one division so as to be ready to supply the next shell. Hydraulic power is used to execute all the maneuvers. The complete armament of each gun is ten projectiles.

When the gun is to be fired the air is admitted to the chamber by means of a valve. The distance that the shell will be thrown depends upon the amount of air admitted into the pneumatic tube, which is controlled by the valve. The firing can take place as rapidly as the shells can be loaded into the tubes.

The Vesuvius is particularly well adapted for blowing up mines by exploding dynamite shells in the mine fields. A shot from one of her guns, it is estimated, will set off every mine within a radius of fifty feet from the point where the shell explodes. The great weakness of the Vesuvius lies in its armor, which is but 3-16 of an inch thick and could easily be pierced by a shell. The impact would be liable to set off the dynamite on board the vessel and that would be the last of the Vesuvius and the nervy men who man her. The destroyer is designed principally for night attacks, stealing up under cover of the darkness, noiselessly discharging a few shells and then rushing back, at a high rate of speed, out of harm's way.

Cost of Spain's Sunday Amusements

That the Spanish people are in a national and moral decline cannot be wondered at when we learn what it costs Spain to educate its people by Sunday bull-fights. The following statistics have been compiled from Spanish sources:

"Guerrita is the king of the toreadores. He earned $61,200 during the season of 1897, from April 5 to Oct. 30. Next after him came Reverta, with $28,700; Mazzantini, with $26,000; Bombita, with $25,800; Algabeno, with $23,000; Fuentes, with $19,500; Minuto, with $15,000; and Villita, with $10,000. Premier Canovas' salary was $5,400 a year. There were during the season 438 performances, in which 1,218 bulls, worth $300,000, were killed. Over 6,000 horses perished in the fights. These figures include only high-class bull-fighting at the most important cities. In each of the smaller towns they have, every year, one or two fights in which the number of persons killed or crippled always exceeds that of the bulls fought."

LIEUTENANT VICTOR BLUE.

Went Ashore at Santiago, Traveled 72 Miles, and Spied Cervera's Fleet.

Lieutenant Victor Blue, whose bold tour of Santiago de Cuba Bay won for him high praise from Admiral Sampson, has taken his place beside Hobson, Rowan, Fremont and the other young men who have distinguished themselves in the war with Spain. Blue made a tour around the bay of seventy miles, and counted the four armored cruisers and the two torpedo boat destroyers of Cervera's famous armada. Young Blue had no lack of exciting adventures after Sampson's ships got into Cuban waters. He was in charge of the Suwanee (the transformed Mayflower) when hostilities began, and he accompanied the Gussie on her expedition. The Suwanee, backed up by the

LIEUTENANT VICTOR BLUE.

gunboat Newport, tried to entice the Spaniards into a fight, but they refused the bait. Blue's boat ran on a reef near Cape Francis, and would have made an easy prey for the Spaniards. She did not get away until after twelve hours had passed. Blue ran the gantlet of five Spanish gunboats, and reached the outposts of General Gomez, where he planted the American flag. On his return from his hazardous expedition around Santiago Bay he brought with him a copy of a Santiago newspaper. His daring trip into the very homes of the Spanish set at rest the fiction that the Cape Verde fleet was not bottled up in the little bay.

GROWING FAR FROM HOME.

Beautiful Tropical Plant Which Grows Off the Coast of England.

The breezy isles of Scilly, just off the Cornwall and Devonshire coast of England, are almost an eighth wonder of the world in regard to the remarkable way in which tropical plants flourish on them. In the spring London is buried under the daffodils and Arum lilies from these fragrant bits in the sea, and the flora of Australia, New Zealand, Algeria, Mexico and South Africa is lavishly represented in the northern islands. Tree ferns, the curious eucalyptus and groups of flowering dracenas abound, but probably the foreign plant reaches a higher degree of perfection

ALOES IN BLOOM.

than does the tall aloe, which is particularly beautiful about the quaint old church on Tresco island, where the lord proprietor has his home.

Disproved the Slander.

There is a Mexican bull fighter—El Curita—whose enemies have made the statement against him that he had been beaten by a woman. He denied this and notified the local newspapers that the actual facts were that he had knocked the woman down four times with a chair. Moreover, he had been sentenced to jail, but his eight-day sentence had been commuted on the payment of a fine, which he construed as a vindication of his character.

Dressmakers say that every really good figure is manufactured.

"UNCLE REMUS."

Joel Chandler Harris Began Life as a Printers' "Devil."

Mr. Harris will always be known, first and foremost, as the author of the "Uncle Remus" tales. Few men make two literary hits in one lifetime. It was genius that induced this Southern newspaper writer to give the world the negro folk tales which he had heard as a boy about the wide, old-fash-

MR. J. C. HARRIS.

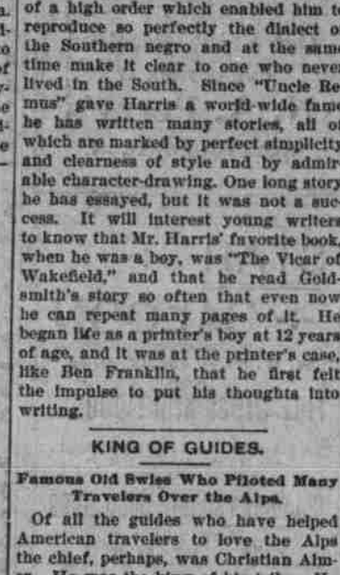
ioned fireplace. It was literary instinct of a high order which enabled him to reproduce so perfectly the dialect of the Southern negro and at the same time make it clear to one who never lived in the South. Since "Uncle Remus" gave Harris a world-wide fame he has written many stories, all of which are marked by perfect simplicity and clearness of style and by admirable character-drawing. One long story he has essayed, but it was not a success. It will interest young writers to know that Mr. Harris' favorite book, when he was a boy, was "The Vicar of Wakefield," and that he read Goldsmith's story so often that even now he can repeat many pages of it. He began life as a printer's boy at 12 years of age, and it was at the printer's case, like Ben Franklin, that he first felt the impulse to put his thoughts into writing.

KING OF GUIDES.

Famous Old Swiss Who Piloted Many Travelers Over the Alps.

Of all the guides who have helped American travelers to love the Alps the chief, perhaps, was Christian Almer. He was the king of his tribe. He enjoyed his calling, and pursued it from boyhood with the zeal of an artist.

Until he was quite an old man the famous old Swiss was actively engaged in "guiding." His eye was keen, his foot sure, his judgment unerring and his delight in crossing the most difficult



CHRISTIAN ALMER AND HIS WIFE.

of the passes and mounting the steepest of the peaks was great long after most guides have retired to the chimney corner and given their business up to their sons. Almer lived at Grindelwald in Switzerland. He was photographed there a year ago with his wife on their golden wedding day. He died recently.

The Soldiers' Good-By.

She bravely bade her Horace good-by,
That girl with the auburn hair,
And smiled through the tear that dimmed her eye,
That girl with the auburn hair,
And she kissed him, and kissed him, and kissed him,
That girl with the auburn hair,
And kissed him, and kissed him, and kissed him,
And kissed him, and kissed him, and kissed him,
And his soldier comrades had to assist him
To leave that girl so fair.
—Chicago Tribune.

Another Powerful Anaesthetic.

According to the British and Colonial Druggist a Russian chemist has discovered a most powerful anaesthetic. It is several thousand times more powerful than chloroform, volatilizes powerreadily and acts, when freely mixed with air at great distances. Experiments are being made at St. Petersburg to see if it cannot be inclosed in bombs, which would have the extraordinary effect of anaesthetic ising instead of wounding the enemy.

Where Women Go Bareheaded.

In Mexico women of every rank go bareheaded.

The fates are really very kind; every worthless man gets along better than he deserves.

Victorious

America's Greatest Medicine Conquers Disease and Suffering.

Impure blood is the foe of mankind, the cause and promoter of scrofula, salt rheum, boils, sores, pimples and eruptions, catarrh rheumatism, dyspepsia, malaria, and that tired feeling. Hood's Sarsaparilla overcomes these diseases by making the blood rich and pure.

Hood's Sarsaparilla

Is America's Greatest Medicine. $1; six for $5.

Hood's Pills cure indigestion. 25 cents

A Modish Idea.

In treating the tin summer fabrics, says St. Paul's, the up-to-date modistes have hit on the happy plan of closely tucking the upper part of the skirt from the waist to above the knee, whence the material hangs full and free round the feet. The style is well expressed in a green and white foulard, the top of the skirt vertically tucked, the hem finished with two narrow pinked-out ruches of white silk. The bodice, something of the shape of a mess jacket, was entirely tucked, and opened over a pretty vest of white silk, adorned with green ribbon embroidery. The sleeves of the green and white foulard were tucked from shoulder to wrist, and ended with bell cuffs lined with white silk.

TRY ALLEN'S FOOT-EASE.

A powder to be shaken into the shoes. At this season your feet feel swollen, nervous, and hot, and get tired easily. If you have smarting feet or tight shoes, try Allen's Foot-Ease. It cools the feet and makes walking easy. Cures swollen and sweating feet, blisters and callous spots. Relieves corns and bunions of all pain and gives rest and comfort. Ten thousand testimonials of cures. Try it *today*. Sold by all druggists and shoe stores for 25c. Sent by mail for 25c in stamps. Trial package FREE. Address Allen S. Olmsted, Le Roy, New York.

The most ancient coin in Europe, the ducia, was first struck in the mint of Venice in the year 1284. The building is still in existence.

WAGONS IMPROVED.

The new improved Stoughton wagons stand the racket. Three more car loads are on the way. It pays to have the best. Write for free catalogue. JOHN POOLE, sole agent, foot of Morrison street, Portland, Or.

Not within living memory has there been known so abnormally snowless a winter in European Russia as the past winter.

Dr. T. H. White, No. 271½ Morrison street, cor. Fourth, Portland, Or., is the only representative in the Pacific Northwest of the patented system of Crown and Bridge Work, invented by Dr. L. L. White, of San Francisco. By this method you do not have teeth extracted because they are decayed to the gums, in order to have new teeth inserted. Instead you can have crowns put on old roots, restoring the same to natural conditions and artificial teeth inserted where they have been removed. These operations are performed quickly and painlessly. Dr. White, by the use of electricity and other methods, fills and extracts teeth without pain.

Opium eating has become a habit with the Kaffirs in South Africa. The Chinese are the chief purveyors of the drug.

FITS Permanently Cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE $2.00 trial bottle and treatise. DR. R. H. KLINE, Ltd., 930 Arch street, Philadelphia, Pa.

Cobeta di Vaca explored the Gila river country in 1535, and reported that the natives were dressed in cotton garments.

Piso's Cure for Consumption is the only cough medicine used in my house.—D. C. Albright, Millinburg, Pa., Dec. 11, 1895.

The highest waterfall in the world is Cholock cascade, at Yosemite, Cal., which is 2,685 feet high, or just half a mile.

Try Schilling's Best tea and baking powder.

Centennial of Electricity.

A centennial of electricity will be celebrated at Como, Italy, the birthplace of Volta, from May to October, 1899. It is understood that everything pertaining to the advancement of electricity will be represented. At the same time an electrical congress of the world's prominent electrical engineers will be held.

A new German antiseptic, called protargol, is a compound of silver and protien. A one per cent solution is reported to destroy the bacteria of anthrax and enteric fever.

A French journal states that among the recent uses which have been discovered for acetylene gas is a motor which has special advantages for use in automobile vehicles.

Clocks can be accurately leveled by a new shelf, which has a fixed wall plate supporting a pivoted, adjustable shelf, with levels in the top, to be set by thumb screws on the under side.

Matches Without Phosphorus.

The Belgian government has scattered broadcast over the world an announcement that a prize of 50,000 f. ($9,650) would be awarded to the originator of a scheme by which matches may be made without phosphorous. The competition is international and the matches must ignite on any surface. It is open until January 1, 1899, and competitors must furnish a quantity of the material as well as 10,000 matches. All communications and packages will be addressed to M. Woeste, state minister, president of the committee, department of industry and labor, No. 2 Rue Laterale, Brussels. These communications and packages can be forwarded any time from now until the first of January, 1899. The inventors whose matches fulfill the aforesaid conditions under title B will have to give proof that the industrial manufacture of said matches is practicable. They must pledge themselves to the manufacture of at least 1,000,000 matches on Belgian territory, in some place designated by agreement between the inventor and the committee, and in the presence of the committee or a delegation of the committee.

THE CLIMATE OF CUBA.

Because of frequent rains in Cuba malarial fevers are a common ailment there, just as they are in many sections of the United States. Ailments of this kind, no matter in what part of the globe they occur, are quickly cured with Hostetter's Stomach Bitters. Besides being a specific for malarial troubles, these Bitters also make pure blood, strong nerves and muscles, and firm, healthy flesh. They have no equal for dyspepsia and constipation.

Longest Trolley Ride.

The longest electric railway in the world is said to be that operated between Kenosha and Waukesha Beach, both in Wisconsin. This line is 62 miles long, and arrangements have been made by the Milwaukee Electric Railway and Light Company to run chartered cars from Milwaukee to Waukesha Beach. Commutation tickets, sold at a lower rate than the regular steam roads, and other inducements are expected to bring a heavy traffic.

Beware of Ointments for Catarrh That Contain Mercury,

As mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally, and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free.

Sold by Druggists, price 75c. per bottle.
Hall's Family Pills are the best.

Paper was first manufactured in the East, and was introduced into Europe by the Moors in the eighth century.

HOITT'S SCHOOL FOR BOYS.

At Burlingame, San Mateo county, Cal., is one of the most thorough, careful and practical "Home School" to be found on the Pacific Coast. Accredited at State and Stanford Universities. Thorough preparation for business. Send for catalogue. IRA G. HOITT, Ph. D., Principal. Re-opens Aug. 9th.

Modern Methods in the Old World.

The lighting of the tombs in the interior of the pyramids and the outlining of the tops of the pyramids with arc lamps has brought home to Western minds the fact that electricity is rapidly being adopted in the far Eastern countries. The Western Electrician in a recent issue states that electric lighting, especially for household purposes, is rapidly progressing in Egypt. It is offered at cheap rates, and is far preferable in the Egyptian climate to the very ordinary quality of gas supplied by the gas company at Cairo, which has been granted a concession to supply electric light. Only two trains on the government railway are at present equipped with electric lights, but other installations are proposed. The gas company mentioned has contracted to light all Cairo by electricity in lieu of gas, and it is confidently expected that Alexandria will soon adopt the same method.

Burglars, by boring a large hole in a door of the courthouse at Impendhl, Natal, gained admittance, smashed open the safe and carried off 700 pounds sterling of native hut-tax money just collected.—Natal Mercury.

No parental care ever falls to the lot of a single member of the insect tribe. In general the eggs of an insect are destined to be hatched long after the parents are dead, so that most insects are born orphans.

STORIES OF RELIEF.

Two Letters to Mrs. Pinkham.

Mrs. John Williams, Englishtown, N. J., writes:

"Dear Mrs. Pinkham:—I cannot begin to tell you how I suffered before taking your remedies. I was so weak that I could hardly walk across the floor without falling. I had womb trouble and such a bearing-down feeling; also suffered with my back and limbs, pain in womb, inflammation of the bladder, piles and indigestion. Before I had taken one bottle of Lydia E. Pinkham's Vegetable Compound I felt a great deal better, and after taking two and one-half bottles and half a box of your Liver Pills I was cured. If more would take your medicine they would not have to suffer so much."

Mrs. Joseph Peterson, 313 East St., Warren, Pa., writes:

"Dear Mrs. Pinkham:—I have suffered with womb trouble over fifteen years. I had inflammation, enlargement and displacement of the womb. I had the backache constantly, also headache, and was so dizzy. I had heart trouble, it seemed as though my heart was in my throat at times choking me. I could not walk around and I could not lie down, for then my heart would beat so fast I would feel as though I was smothering. I had to sit up in bed nights in order to breathe. I was so weak I could not do anything.

"I have now taken several bottles of Lydia E. Pinkham's Vegetable Compound, and used three packages of Sanative Wash, and can say I am perfectly cured. I do not think I could have lived long if Mrs. Pinkham's medicine had not helped me."

MEIER & FRANK CO.'S

..Great Removal Sale..

Draws immense crowds and is bringing in mail orders at a rate that has necessitated the employment of a largely increased clerical force.

Half a million dollars' worth of goods MUST be sold before we move into our new store, and only

...Greatly Reduced Prices...

on the entire stock can bring about this result.

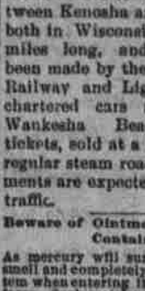
All mail orders filled at Removal Sale Prices.

MEIER & FRANK CO.

PORTLAND, OREGON.

Established 1780.

Baker's Chocolate,



celebrated for more than a century as a delicious, nutritious, and flesh-forming beverage, has our well-known

Yellow Label

on the front of every package, and our trade-mark, "La Belle Chocolatiere," on the back.

NONE OTHER GENUINE.

MADE ONLY BY

WALTER BAKER & CO. Ltd.,

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Bishop Scott Academy Founded 1870

A Boarding and Day School for boys. Military discipline in charge of U. S. Army officer. Primary, preparatory and academic departments. Manual Training or Sloyd has recently been installed. Boys of all ages received. Special instruction in music, modern languages, stenography. Through college preparation a specialty. Catalogue on application to the principal, J. W. HILL, M. D., P. O. Drawer 17, Portland, Or.

YOUR LIVER Is it Wrong? Get it Right. Keep it Right.

Moore's Revealed Remedy will do it. Three doses will make you feel better. Get it from your druggist or any wholesale drug house, or from Stewart & Holmes Drug Co., Seattle.

BUY THE GENUINE

SYRUP OF FIGS

... MANUFACTURED BY ...

CALIFORNIA FIG SYRUP CO.

[illegible] NOTE THE NAME.

OPIUM MORPHINE COCAINE LAUDANUM Stopped at once

DR. J.C. HOFFMAN, 484 Isabella Bldg, Chicago, Ill.

A Beautiful Present

In order to further introduce **ELASTIC STARCH** (Flat Iron Brand), the manufacturers, J. C. Hubinger Bros. Co., of Keokuk, Iowa, have decided to **GIVE AWAY** a beautiful present with each package of starch sold. These presents are in the form of

Beautiful Pastel Pictures

They are 13x19 inches in size, and are entitled as follows:

Lilacs and Pansies.

—

Pansies and Marguerites.

Wild American Poppies.

—

Lilacs and Iris.

These rare pictures, four in number, by the renowned pastel artist, R. LeRoy, of New York, have been chosen from the very choicest subjects in his studio and are now offered for the first time to the public.

The pictures are accurately reproduced in all the colors used in the originals, and are pronounced by competent critics, works of art.

Pastel pictures are the correct thing for the home, nothing surpassing them in beauty, richness of color and artistic merit.

One of these pictures will be given away with each package of **Elastic Starch** purchased of your grocer. It is the best laundry starch on the market, and is sold for 10 cents a package. Ask your grocer for this starch and get a beautiful picture.

ALL GROCERS KEEP ELASTIC STARCH. ACCEPT NO SUBSTITUTE

Stop drinking colored tea. Try Schilling's Best.

The Japanese have a gigantic colonization scheme on foot in Mexico.

WHEAT Make money by successful speculation in Chicago. We buy and sell wheat on margins. Fortunes have been made on a small beginning by trading in futures. Write for full particulars. Best of reference given. Several years' experience on the Chicago Board of Trade, and a thorough knowledge of the business. Send for our free reference book. DOWNING, HOPKINS & Co., Chicago Board of Trade Brokers. Offices in Portland, Oregon and Seattle, Wash.

CURE YOURSELF! Use Big G for unnatural discharges, inflammations, irritations or ulcerations of mucous membranes. Painless, and not astringent or poisonous. Sold by Druggists, or sent in plain wrapper, by express, prepaid, for $1.00, or 3 bottles, $2.75. Circular sent on request.

Big G CURES in 1 to 5 days. Guaranteed not to stricture. Prevents contagion. THE EVANS CHEMICAL CO. CINCINNATI, O. U.S.A.

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Plain or with Cutter. The best needle in the market. Used by all sack sewers. For sale by all general merchandise stores, or by

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