SCIENTIFIC AND INDUSTRIAL

Pasteur proposes to rid Australia of its rabbits, which have become a danger-ous pest, by inoculating them with chicken cholera.

Dr. Siebert, a German-American physician in New York, a competent authority on the subject, holds that pneumonia is a house disease and is infectious, but not contagious The relict and the prevention are no medicine and plenty of fresh air."

One electric light system for cars cmbodies both the dynamo and storage
battery, seeking to overcome the defe. ts
from one source of electricity by the use
of its conjugate. Dynamo and engine
are in the baggage-car, and steam supplied from the locomotive, the storage
battery taking up the work when the
loco is uncoupled.

The singular fact is demonstrated that

The singular fact is demonstrated that The singular fact is demonstrated that while the most rapid cannon shots scarcely attain a velocity of six hundred meters a second, over fifteen hundred knots per hour, meteorites are known to penetrate the air with a velocity of forty thousand or even sixty thousand meters per second, a velocity which raises the air at once to a temperature of 4,000 degrees to 6,000 degrees cent.

Electricity has at length been turned

degrees to 6,000 degrees cent.

Electricity has at length been turned toward the propulsion of an ordinary carriage. At Brighton, England, lately, a dogcart with a one-half-horse power motor, and with accumulators equal to six hours' work, was shown in operation. The vehicle will go nine miles an hour on asphalt and four miles on an ordinary macadamized road. It is not of much account climbing hills.

We see it stated that the Chicago.

We see it stated that the Chicago, Milwaukce & St. Paul R. R., has under Milwaukce & St. Paul R. R., has under consideration a plan for working some forty pneumatic gates at crossings in Minneapolis, Minn., by an air compressor in the shops. A pipe line will tap a storage and equalizing reservoir in each cabin, and connect with the compressor, and cooling and drying tank in the shops. It is not proposed to lay the pipe below frost.

frost.

The latest idea in the direction of waterproof foot-wear is a shoe made with a stout calfskin vamp, seamless, underlying which is a vamp of thin rubber, and between it and the lining, which is of stout canvas. The bottom of the shoe has a rubber interlining between the outer and the inner soles, and thus the shoe is about as near waterproof as a leather shoe can be. It is said to wear well and preserve its waterproof qualities for an indefinite period.

Some instantaneous photographs of

Some instantaneous photographs of bullets in motion have recently been taken in Germany by Herren Mach and P. Salcher. The object of the experiment was to determine the waves formed in the air displaced by the motion of the bullet. Experiments were, therefore, made with the Werndl carbine, giving a velocity of 1,110 feet per second; and the Guedes rifle, with a velocity of 1,730 teet per second; and with these very distinct per second; and with these very distinct photographs were obtained, showing in the clearest possible manner the character of the waves set up by the bullet in its

Veneer manufacturers having been put to much trouble and expense to secure from the natives of Persia, or from French markets, even, fancy wood burls from which to carve out veneers for manufacwhich to carve out veneers for manufacturing purposes, have demonstrated by recent experiments that red wood stumps possess meritorious qualities for such use and will undoubtedly be substituted for the more costly woods in the future. The demand for burl and curly red wood for finishing work has already reached large proportions in the West. The large butts of trees now being slain in California iorests will be used to a great extent.

remarkable engineering feat has just been carried out in China in the face of un-usual physical obstacles. This was the stretching of a steel cable of seven strands stretching of a steel cable of seven strands across the Luan river by Mr. A. de Linde, a Danish civil engineer, aided only by unskilled Chinese labor. The cable is strung from two points, 4,648 feet apart. The height of one support is 447 feet above the present level of the river, and the second support is 737 feet above it. The vertex over the water is 78 feet. The Chinese cable is the largest but one in the world.

Lincoln Never Read a Novel.

While Edwin Forrest was playing an engagement at Ford's Theatre, Mr. Carpenter spoke to the President one day of penter spoke to the President one day of the actor's fine interpretation of the character of Richelieu, and advised him to witness the performance. The con-versation occurred in the presence of Senator Harris, of New York. "Who wrote the play?" asked the President of Mr. Carpenter. "Bulwer," was the re-ply. "Ah!" he rejoined. "Well, I knew Bulwer wrote novels, but I did not know he was a play writer also. It may know he was a play writer also. It may seem somewhat strange to say," he con-tinued. "but I never read an entire novel in my life." Said Judge Harris: "Is it possible?" "Yes," returned the Presi-dent. "it is a fact. I once commenced 'Iyauhoe,' but never finished it."

Life in Bogota.

Mrs. Bernard Whitman, who has been lect ring in Boston, gave some interesting details concerning life in Bogota, the capital of the South American Republic of Colombia. Though but four degrees north of the equator, the mistake was often made that Bogota was warm; its high elevation, however, gave it a sharp degree of cold, though never descending to freezing. The dampness prevents the adobe houses from retaining wall-paper in the lower stories, which are whitewashed. Fruits were high. Apples ranged from forty cents to five dollars apiece. Kerosene was \$2.50 per gallon. The daily routine was, men to business, women to church. Children carry their own chairs to school. Life in Bogota. carry their own chairs to school. This paper will be published when we news," was a familiar feature of journalism.

A Michigan man has perfected a machine by which he can cut staves for seventeen barrels, completely chined, crozed, and equalized in fifty seconds. There are just two staves to a barrel, each stave being a perfect half section of a barrel. The machine increases the capacity of 1,000 feet of log measure fifty barrels; and as a labor saving invention represents an advance of 60 per cent. on old methods. The inventor has been working twenty years on the machine.

Betraying a Hidden Malady.

are the words: 'Eye and Ear.' Now, it it is a very strange phenomenon, but nine out of ten who are troubled with afflictions of the eye or ear will reveal the location of their disease when they see that sign. They do it unconsciously. A man passes in a deep brown study. He is oblivious of everything. Even the direction and the style of his gait are mechanical. When he is opposite that sign he is mechanically reminded that he is interested in it, and he begins to investigate the magnitude of his interest. If his eye is sore he will rub it; if he wears glasses he will take them off and wipe them, or if his hearing is bad he will put his hand to his car. It is all mechanically done. That man to whom I called your attention put his hand to his right ear when he saw the sign. The demonstration is a freak of nature which shows that we can never become so encrossed in anything as to be regardless. shows that we can never become so engrossed in anything as to be regardless of ourselves."—Iddianapolis Journal.

Coldest Night Ever Known in America.

Coldest Night Ever Known in America.

The other day there was in the city quite a distinguished young man, says the St. Louis Post-Diepatch. His celebrity consists of his having recorded the lowest temperature ever observed within the bounds of civilization. His name is George A. Carden, and he was on his way from Lama, Mo., to Chicago, where he will act as Assistant Observer in the Signal Office. It was on New Year's morning, 1885, that Mr. Carden, then Signal Service Observer at Poplar River, Montana, sent on the solitary telegraphic wire that connected him with the world outside this brief but startling announcement: "Temperature 62.1 degrees below zero." "I tossed about all night trying to keep warm," said Mr. Carden. "The big stove I kept nearly red hot, but still the little room would not get warm. It seemed as folds as the outer air. big stove I kept hearly red not, but still the little room would not get warm. It seemed as cold as the outer air. Upon me I had piled covering equivalent to twenty thicknesses of blankets. Army blankets, buffalo robes, buffalo coats, cloth coats, everything in the shape of protection, was heared upon my little. protection, was heaped upon my little bed, yet still I shivered under it all. No one can form an idea of the cold that night. I had to wear the heaviest mit-tens, and my sealskin cap was pulled down over my ears. Once, when I reached my bare hand out of the bed to throw another stick of wood on the fire it was so benumbed that I had to drop the stick. Mind you, all this time the fire was roaring and crackling."

It is now possible for a traveler to ge direct by rail from the City of Mexico to British Columbia, a distance of 6,000 miles. This has been made possible by

Seeing in the Dark.

How do I know that man had something the matter with his right ear," repeated a Pelaware street aurist with whom a Journal reporter was talking. "Why, because he told me so. Didn't you see him do it:"

The reporter confessed that he had not heard the man make any remark as he passed the window, where the aurist and the visitor were sitting. "Well, he did it. Out there on the corner of my house I have a little tin sign containing my name, beneath which are the words: 'Eye and Ear.' Now, it it is a very strange phenomenon, but nine out of ten who are troubled with afflictions of the eye or ear will reveal the location of their disease when they see that sign. They do it unconsciously. who received a sudden blow on his right eye by the snapping of one of the strings of his instrument. He suffered great pain, and on awaking the following night the bedroom appeared lighted up, and he could distinctly trace the pattern of the wall paper; on closing his right eye all was dark again; on reopening it he saw as before.—Argonaut.

"Necessity is the Mother of Invention," Catarrh is not an invention, but it makes Taylor's Hospilal Cure a necessity. Free pampulet, address 264 B'way, New York.

If Sufferers from Consumption

It Sufferers from Consumption,
Scrofula, Bronchitis, and General Debility
will try Scott's EMULSION of Cod Liver Oil
with Hypophosphites, they will find immediate relief and perminate benefit. The Medical Profession universally declare it a remedy
of the greatest value and very palatable.
Read: "I have used Scott's Emulsion in sveral cases of Scrofula and Debility in Children. Results most gratifying. My little
patients take it with pleasure."—W. H. HULBERT, M. D., Sa'isbury, Ill.

Consumption Surely Cured.

To the Editor:—Please inform your readers that I have a positive remedy for the above ammed disease. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy ware to any of your readers who have consumption if they will send me their Express and P. O. address. Respectfully, T. A. SLOCUM, M. C., 181 Pearl St., N. Y.

Peaches were introduced into England from Persia in 1562.

Man wants but little here below,
But wants that little strong.
This is especially true of a purge. The average man or woman does not precisely hanker for it, as a rule, but when taken, wishes it to be prompt, sure and effective. Dr. Pierce's Pleasant Purgative Pellets leave nothing to be desired in point of efficacy, and y t their action is totally free from any un pleasant symptons, or disagreeable after-effects. Purely vegetable, perfectly harmless.

Mr. John N. Stearns, secretary of the National Temperance Society, is in Washington in the interest of bills before Congress favored by his organization. Among them are those providing for the appointment of a commission of inquiry concerning the liquor traffic, constitutional prohibition, and legislation which will prohibit the exportation of liquor from this country to Africa.

A young girl in North Adams, Mass. has seven grandparents living. She has one great grandfather, two great grand-mothers, two grandfathers and two grandmothers.

the recent completion of the California of Piso's Cure for Consumption.

March April May

Hood's Sarsaparilla

es that extreme tired feeling

Purifies the Blood

en years ag , while my little boy was playing

Hood's Sarsaparilla

100 Doses One Dollar 100 Doses One Dollar

REAM BALM Ely's Cream Balm Will do more in Caring CATARRH

Than \$500 in any, other Way. Apply Balm into each nostri usa Ely Bros., 235 Greenwich St.N. Y

RIFLES OF PIRE ARMS I WE GOT PIRE ARMS I WE GO THE ARMS I WE WE WILL BE TO THE COLOR OF THE ARMS I WE WE WILL BE TO THE COLOR OF THE ARMS I WE WILL BE ARMS I WE WILL BE ARMS IN THE WILL



Will Color One to Four Pounds Of Dress Goods, Garments, Yarns, Rags, etc.

Child can use them! The PUREST, STRONGEST and FASTEST of all Dyes, Warranted to Due the most goods, and give the best colors. Unequalled for Feathers, Ribbons, and all Faucy Dyeing. 33 leading colors. They also make the Best and Cheapest WRITING INK ONE QUART LAUNDRY BLUE 1 O Cents.

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HOME STUDY. Book-keeping, Penmanship, Arrthmette, Shorthand. &c., thoroughly taught by mail. Cir-culars free. BRYANT'S CULLEUR, 457 Hain St., Baffalo. H. Y.

Of worth \$1,000, but is sold at 25c. a box by dealers.



W.L.DOUGLAS \$3 SHOE. GENTLEMEN.

The only fine calf \$3 Senmiess Shoe in the works made without tacks or nails. As syliab and durable as those costing \$5 or \$5, and faving neaks or nails to wear the stocking or hurt to feet, mass them as comfortable and well-fitting as a lone sewed shoe. Buy the best, hone genuine less sumped on bottom "W. L. Douglas \$3 Shoa warranted."

W. L. DOUGLAS \$4 SHOE, the criginal and only hand sewed well \$1 shoe, which equas custom made shoes costing from \$5 to \$9. W. L. DOUGLAS \$2.50 SHOE is unex-celled for heavy wear.

W. I., DOUGLAS \$2 SHOE is worn by an Bo, s, and is the best school shoe in the world. All the above goods are made in Congress, and Lace, and if not sold by your deale W. L. DOUGLAS, Brockton, Mass.

A Great Descent.

Mr. McCorkle (an attenuated dude standing before portrait of a broadchested warrior-like ancestor)-"I tell you, Miss Nivens, I'm no snob, but I'm proud of my descent."

Miss Nivens-"You should be, Mr. McCorkle; it has been a great one!"-

Happy Homes.

Much, has been written and said about how to make home pleasant. The moralists and the preacher have backneyed this theme until twould seem nothing more remained to be said. But the philosophers have gone far out of their way to account for the prevalence of ill-assorted couples and unhappy homes, and have over-looked the chief cause. Most of the unhappiness of married life can be traced directly to those functional derangements to which women are subject. In nine cases cut of ten the irritable, dissatisfied and unhappy wife is a sufferer from some "female complaint." A trial of Dr. Pierce's Favorite Prescription will produce more domestic happiness than a million sermons of philosophical treatises. It cures all those peculiar weak nesses and ailments incident to women. It is the only medicine sold by druggists, under a positive guarantee from the manufacturers, that it will give satisfaction in every case, or money will be refunded. See guarantee printed on wrapper enclosing bottle.

Gold was discovered in California just

aine's elery Compound

For The Nervous The Debilitated The Aged

URES Nervous Prostration, Nervous Head-ache, Neuralgia, Nervous Weakness, Stomach and Liver Diseases, and all affections of the Kidneys. AS A NERVE TONIC, It Strengthens

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AS A LAXATIVE, It acts mildly, but AS A DIURETIC, It Regulates the Kid-

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55 to 53 a day. Samples worth \$1.50, FREA dies not under the horse's feet. Write Exewster Safety Rein Holder Co., Holly, Mich By return mail, Full Description, Moody's New Tailor System of Dress Cutting. MOOD Y & CO., Cincinnati, O

PENSIOUS to Soldiers and Heirs. Send for our cultivation of the cultiv

A MONTH. Agente Stanted. w best sell-ing articles in the world. I sample Free. Address JAY BRONSON, Detroit, Mich.



Rheumatism, Lumbago, Backache, Headache, Toothache. CURES

Neuralgia, Sore Throat, Swellings, Frost-

bites, Sprains, CURES

Sciatica,

Bruises, Burns, Scalds, Promptly and Permanently without Return of Pain.

For Stablemen w Stockmen. THE GREATEST REMEDY KNOWN FOR HOL AND CATTLE DISEASE.

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CHILLA CHESTUSE

PHILADELPHIA+SEND STAMP FOR CATALOGUE



Blair's Pills. Great English Gout and Remedy. PISO'S CURE FOR CONSUMPTION

SOLDIERS all set Pensions, 11 % disa-blest Officers' travel party bounty collected; Deserters released; 22 years' practice. Success or no fea-Laws sent free. A. W. McGormick & Son, Washington, b. G.



I believe Piso's Cure for Consumption saved my life.—A. H. DOWELL, Editor Enquirer, Eden-ton, N. C., April 23, 1887.

The BEST Cough Medicine is PISO'S CURE FOR CONSUMPTION. Children take it without objection. By all druggists. 25c.

PISO'S CURE FOR
CURES WHERE ALL ELSE FAILS.
Best Cough Byrup. Tastes good. Use
In time. Sold by druggists.
CONSUMPTION



Gone Where the Woodbine Twineth. Gone Whore the Woodline I Wheels Rats are smart, but "Rough on Rats" beats them. Clears out Rats, Mice, Roaches, Water Bugs, Flies, Seetles, Moths, Ants, Mosquitoes, Bed-bugs, Hen Lice, Insects, Fotato Bugs, Sparrows, Skunks, Weasel, Gophers, Chipmurks, Moles, Musk Rats, Jack Rabbits, Squirrels, 15c. and 25c. Druggists.

ROUGH ON PAIN" Plaster, Porosed. 156

ALL SKIN HUMORS CURED BY UGHONIT





ARP YOU SICK?

Do you feel Gull, languid, low-spirited, lifeless, and 'heeseribably miserable, both physically not mentally: experience a sense of fullness or bloating after cating, or of "graness," or emptices of stomach in the morning, tongue coated, bitter or bad taste in mouth, irregular appetite, diziness, frequent headaches, blurred eyespich, the statement of the morning, tongue coated, bitter or bad taste in mouth, irregular appetite, diziness, frequent headaches, blurred eyespich, who should be a suffer in the morning tongue coated, bitter or bad taste in mouth, irregular appetite, diziness, frequent headaches, blurred eyespich, will subdue it, if taken according to distinct the intervious prostration or exhaustion, irritability of temper, both fushes, alternating with chilly sensations, sharp, biting, transient pains here and there, cold feet, drowsiness after meals, wakefulness, or disturbed and unrefreshing sleep, constant,

DAVID G. LOWE, Esq., of Sl. Agathe, Manitoba, 1 Mrs. I. V. Webber, of Yorkshire, Cattarawas

BILIOUS Canada, says: "Being troubled with a terrible bilious attack, fluttering of the heart, poor rest at long attack, fluttering of the heart, poor rest at might, etc., I commenced the use of your 'Golden Medical Discovery' and 'Pellets,' and derived the very highest benefit therefrom."

DAVID G. Lows, Esq., of St. Agathe, Manitoba, Mrs. I. V. Webber, of Yorkshire, Cattaraugus Co., N. F., writes: "For five fears previous to taking 'Golden Medical Discovery' and 'Pellets,' and derived the very highest benefit therefrom."

"FOR THE BLOOD IS THE LIFE."

Thoroughly cleanse the blood, which is the fountain of health, by using Dr. PIERCE'S GOLDEN MEDICAL DISCOVERY, and good direction, a fair skin, buoyant spirits, and bodily health and vigor will be established.

GOLDEN MEDICAL DISCOVERY cures all standard to the condition of the

A medicine possessing the power to cure such inveterate blood and skin diseases as the following testimonial portrays, must obtain to eredited with possessing properties capable of curing any and all skin and blood diseases, for none are more obtainst or difficult of cure than Salt-rheum.



SALT-RELUM

WORLD'S DISPERSARY MEDICAL ASSOCIATION, 63 Main Street, Buffalo, N. Y.:
Gentlemen—For several years I have felt it to be my duty to give to you the facts in relative of mine had been a great sufferer from salt-rheum. She commended the three hands, and before the being and the first planes, and during the winter months had to have her hands diversed addly. The pain was quite several years but degrant relation to be accommended to the salt-rheum for upvards of forty years. The disease was most distressing in her hands, causing the skin to crack open on the inside of the fluores at the joints and between the fluores. She was obliged to protect the raw places by means of adhesive plasters, salves, ointments and bandages, and during the winter months had to have her hands dressed daily. The pain was quite severe at times and her general health was badly affected, paving the way for other diseases to creep in. Chararh and relemmatian caused a great deal of suffering in addition to the sak-rheum. She had used faithfully, and with the most commendate of the properties, and seeing that it was essentially a blood-purifier, I immediately recommended it to the old lady who had been so long a understance was commended to to the old lady who had been so long a sufferer from salt-rheum. She commended to the note along the suffered to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to be no better. However, I realized took one bottle, but seemed to the took one bottle, but seemed to be no be

CONSUMPTION, WEAK LUNGS, SPITTING OF BLOOD. GOLDEN MEDICAL DISCOVERY cures Con-impution (which is Scrofula of the Lungs), by its wonderful blood-purifying, invigora-ing and nutritive properties. For Weak

Solosion Bittis, of North Clauton, Miami Co., Ohio, writes: "I have not the words to express my gratitude for the good your services my gratitude for the good your sense of colden Medical Discovery' has conducted the solosion of the property of the good of the sense of the sens

GAMED
25 POUNDS.

Wasting Disease.—Watson F. Clarker, Eq., of (Box 101), Summerside, Prince Educard Island, Gam, writes; "When I commenced taking your Golden Medteal Discovery," I was not able to I weighed 122 pounds, and to-day I weigh 147 eat four or five if I dared to."



COUGH OF FIVE YEARS'
STANDING.

Mrs. N. W. Rice, of Newfane, Vermont, says: "I feel at liberty to acknowledge the benefit I received from two bottles of the 'Golden Medical Discovery,' which cured a cough of five years' standing, and dyspepsin, from which I had suffered for a long time. I have also used Dr. Pierce's Extract of Smart-Weed, or Water Pepper, in my effect."

WORTH \$1000

A BOTTLE.

W. R. DAYIS, Esq., of Beliville, Florida., writes: "I have taken your wonderful Golden Medical Discovery' and have been cured of consumption. I am now sound and well, and have only spent three dollars, and I would not take three thousand dollars and Discovery \$4.00.

Discovery \$1.00, Six Bottles for \$5.00; by Bruggists.

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