

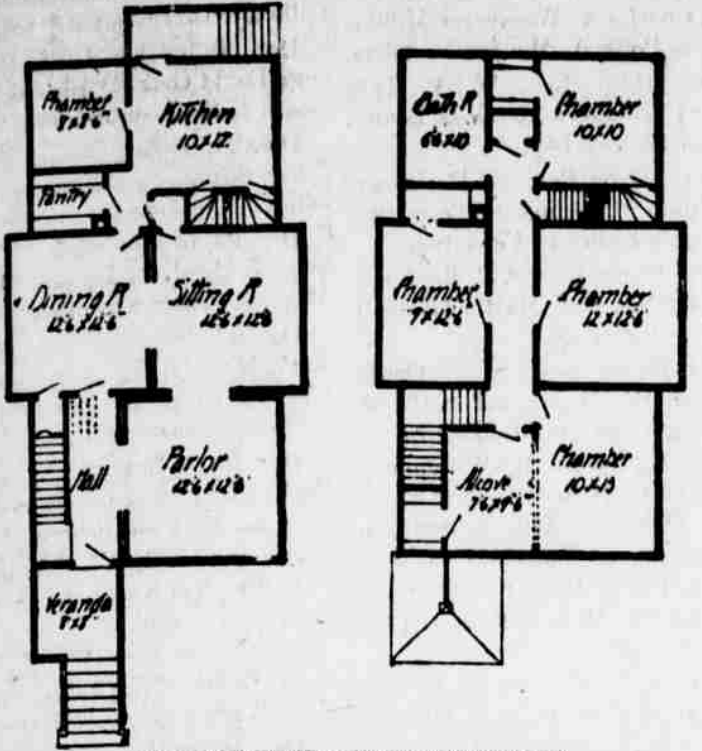
# ART IN ARCHITECTURE.

DESIGNED AND WRITTEN ESPECIALLY FOR THIS PAPER.

The nine room residence, herewith described, will cost \$1,800, with a foundation of stone.

The size of parlor is 12 feet 6 inches by 12 feet 6 inches; sitting room, 12 feet 6 inches by 12 feet 6 inches; dining room, 12 feet 6 inches by 12 feet 6 inches; kitchen, 10 feet 6 inches by 10 feet 6 inches; chamber, 8 feet 6 inches by 12 feet 6 inches; 12 feet 6 inches by 12 feet 6 inches; 12 feet 6 inches by 12 feet 6 inches; 12 feet 6 inches by 12 feet 6 inches; 7 feet 6 inches by 12 feet 6 inches; 7 feet 6 inches by 12 feet 6 inches; 4 feet 6 inches by 6 feet 6 inches;

hall, parlor, sitting and dining-rooms; maple floors in bathroom, kitchen and pantry. The sink in the kitchen is porcelain-lined. There is wainscoting in the kitchen, bath-room, dining-room and hall, made with cement plaster and capped with wood moulding. Laundry, coal bins, fruit-room and other storerooms are in the basement. All roughing in pipes, laid to bathroom. Catch-basin and cess-pool are built in the yard. Girders are 8 by 10 inches, and posts supporting girders 8 by 8



PLANS OF FIRST AND SECOND FLOORS.

hall, 6 feet 6 inches by 10 feet 6 inches; three large rooms on the first floor separated by sliding doors. A rear stairway leads to the basement of second floor. The first and second stories are 9 feet 6 inches high. All doors are double, having building paper between finished floors and sub-floors. The sheathing is of fence flooring, having tar paper between it and siding. All siding is 4-inch face, studding, 2 by 4 inches; joist, 2 by 10 inches; shingles, cedar; ornamental carving; art glass;

inches. Closets are provided with shelves and hooks. The front stairs, treads, newels and risers are of Georgia pine. The parlor is tinted copper color; sitting-room, maroon; dining-room, peacock blue, dark; kitchen, straw color; chambers, colors to suit owner. The size of the house upon the lot is 22 by 40 feet. The design is very neat and plain, and suitable for a city, suburb or country. The lines on which this residence is



FRONT ELEVATION OF AN ARTISTIC \$1,800 HOUSE.

press brick chimney; American glass; Georgia pine finish; exterior painting, three coats; galvanized iron gutters and down spouts; front door, glass panel. The doors are 2 feet 8 inches wide by 7 feet high, 1 1/2 inches thick; the front door is 3 feet 4 inches wide by 8 feet high, 1 1/2 inches thick. Shingles are to have one coat of paint. The attic has a single floor. All exterior walls have one coat of brown mortar for back plastering, and all rooms are finished with two coats of plaster. The hardware, of a substantial kind, is properly placed. The rubble stone wall is 10 inches thick, and the basement is cemented. The house is piped for gas and furnace. There is a Georgia pine floor in the

planned give a large number of rooms, and all of a fair size, as shown by floor plans. The veranda ceiling is ceiled with narrow-beaded ceiling of Georgia pine, finished with hard oil marine varnish. Veranda and porch floors are painted four coats good lead and boiled linseed oil. The chimney is capped with stone. Chimney brace is of wrought iron. The outside cellarway leads to basement. The height of first story floor is 4 feet 6 inches above grade. Stone work above grade is random range block limestone. Sliding door partitions are lined with one-half-inch ceiling. All material throughout must be of the very best. GEORGE A. W. KINTZ.

**The Vibration of Sound.**  
According to Lord Rayleigh, certain experiments have shown vibration of sound having an amplitude of less than one-twelfth millionth of a centimeter could still affect the sense of hearing. Supposing it susceptible of being seen, such a vibration would be so short that it would have to be enlarged 100 times before the most powerful microscope could render it visible. Young people can hear high notes which are inaudible to their elders, and it is believed that babies in particular are gifted in hearing sounds which are not vouchsafed to the ears of more mature men.

**To Stop Plant Growth.**  
A German chemist, says Merck's Report, has prepared a fluid that has the power, when injected into the tissue of a plant near its roots, of anesthetizing the plant. The plant does not die, but stops growing, maintaining its fresh, green appearance, though its vitality is apparently suspended. It is also independent of the changes in temperature, the most delicate hothouse plants continuing to bloom in the open. The composition of the fluid is shrouded in the greatest secrecy, but it is said to have a pungent odor and to be colorless.

**Compressed Flour Bricks.**  
In England much interest is taken by the army and navy authorities in a new method of preserving flour by means of compression. With hydraulic pressure apparatus the flour is squeezed into the form of bricks and experiments are reported to have shown that the pressure destroys all forms of larval life, thus preserving the flour from the ravages of insects, while it is equally secure from mold.

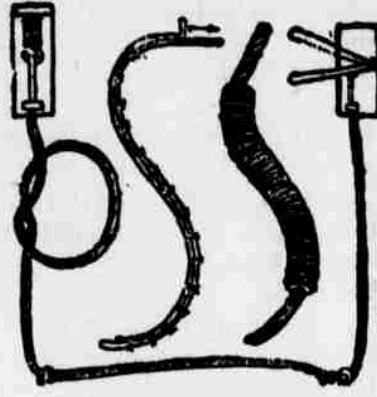
**Great Parisian Tunnel.**  
The terminal tunnel of the Paris & Bordeaux railway will run from the suburbs of Paris three and one-half miles into the heart of the French capital. It is to be completed by 1900, and it will doubtless, like the London underground railway, be equipped with American electrical devices and motors, as the chief engineer of the line, who is now in the United States on a tour of investigation, has expressed himself to that effect.

# SCIENCE AND INVENTION.

## POWER TRANSMISSION.

Description of an Ingenious Arrangement Recently Invented by a French Gentleman.

As is well known it is generally impossible, without special contrivances, to transmit over so feeble a power between the two extremities of a slack, flexible wire, says La Nature, especially when the latter has to follow a tortuous course. The problem has been solved by means of the elastic bellcord and crank, the origin of which is very ancient, but the process is costly, complicated and devoid of elegance, and the invention of electric bells has caused it to fall into desuetude. There are many cases, however, in which it would be advantageous to be able to transmit a slight stress in order to ring a bell, etc., without having recourse to the unsightly cord or to electricity, which necessitates the use of a battery and an electro-magnet. This may be done by means of a simple and ingenious arrangement devised by Mr. Ernest



THROUGH A FLEXIBLE WIRE.

Howden and the principle of which may be understood by a reference to the accompanying figure. If we take a flexible wire it will be impossible to transmit the least stress between its two extremities, but if we juxtapose two flexible wires and make them interdependent here and there we shall be able upon giving a motion to one of the extremities to transmit the same to the other, despite the flexibility of the wires and the fact that they are free and floating in space.

In practice it is preferable that one of the wires shall be inextensible and the other incompressible, and the best results will be obtained in arranging the two wires concentrically. To this effect the external wire is wound in juxtaposed spirals and the inextensible one is arranged in the interior of the tube formed by the spiral of the external wire. The interior wire then works within the tube, the two extremities of which are carefully fixed. The tension exerted upon the internal wire is thus freely transmitted, even when the external wire is left floating or even when a loop is formed in it. It is thus possible to exert an action to a distance by fixing the double wire permanently in place like the wire of an electric bell.

## A MUSICAL BICYCLE.

Novel and Highly Interesting Invention Introduced with Great Success in Germany.

The bicycle has reached another phase of its constant development through a novel and highly interesting invention, consisting in a musical instrument which may be attached to any bicycle and plays popular airs, without the aid of the rider, in a loud and melodious manner, when the machine is in motion. This instrument constitutes an entertaining companion for the bicyclist on his roamings, which are frequently rather lonely; it is so much more welcome as it will be a companion entirely submissive to the rider's wishes. It has been invented, patented and placed upon the market by a firm in Hamburg, and is fittingly called "troubadour," after the wandering musicians of the middle ages. We had occasion recently to attend a trial ride in the Hamburg Zoological garden with this new musical instrument, and cheerfully confirm the excellent effect produced. The director of the concern had the cycles provided with the new musical apparatus pass before us ridden by employes, and we heard a loud-sounding, well-timed music, after the style of the "herophone." This novelty is sure of great popularity among cyclists. It will also be beneficial in a hygienic respect, as excessively fast riding will be prevented. As a matter of fact, the music only sounds well when the rider does not exceed a velocity of 15 kilometers (9.3 miles) per hour. We will add that in future a sort of orchestra band may be formed for the popular cycle parades by means of these instruments tuned to the time. As is well known, the music has been the most difficult part of these parades. — Echo vom Gebirge.

## Sure Symptom of Lunacy.

Dr. Burton Ward, after a long experience in the treatment of cases of insanity, says that there is one infallible symptom by which the question whether a person is or is not sane can be determined. Let a person speak ever so rationally and act ever so sedately, if his or her thumbs remain inactive there is no doubt of insanity. Lunatics seldom use their thumbs in writing, drawing or saluting.

## No Hope in 2073.

Statisticians claim that the earth will not support more than 5,000,000,000 people. The present population is estimated at 1,467,000,000, the increase being eight per cent. each decade. At that rate the utmost limit will be reached in the year 2073.

# Crippled by Rheumatism.

Those who have Rheumatism find themselves growing steadily worse all the while. One reason of this is that the remedies prescribed by the doctors contain mercury and potash, which ultimately intensify the disease by causing the joints to swell and stiffen, producing a severe aching of the bones. S. S. S. has been curing Rheumatism for twenty years—even the worst cases which seemed almost incurable.

Capt. O. E. Hughes, the popular railroad conductor, of Columbia, S. C., had an experience with Rheumatism which convinced him that there is only one cure for that painful disease. He says: "I was a great sufferer from muscular Rheumatism for two years. I could get no permanent relief from any medicine prescribed by my physician. I took about a dozen bottles of your S. S. S., and now I am as well as I ever was in my life. I am sure that your medicine cured me, and I would recommend it to any one suffering from any blood disease."



Everybody knows that Rheumatism is a diseased state of the blood, and only a blood remedy is the only proper treatment, but a remedy containing potash and mercury only aggravates the trouble.

## S.S.S. For the Blood

being Purely Vegetable, goes direct to the very cause of the disease and a permanent cure always results. It is the only blood remedy guaranteed to contain no potash, mercury or other dangerous minerals. Books mailed free by Swift Specific Company, Atlanta, Georgia.

## 1898 Bicycles Down to \$5.00.

New 1898 Model Ladies' and Gents' Bicycles are now being sold on easy conditions, as low as \$5.00; others outright at \$12.95, and high grade at \$19.95 and \$22.50, to be paid for after received. If you will cut this notice out and send to SEARS ROEBUCK & CO., Chicago, they will send you their 1898 bicycle catalogue and full particulars. 7-14-98.

## Farmers Break the Buggy Monopoly.

It is claimed that for years buggy manufacturers have secured exorbitant prices for their goods, but recently, through the combined assistance of the farmers of Iowa, Illinois and other states, SEARS, ROEBUCK & CO., of Chicago, have cut the price of open buggies down to \$10.00. Top Buggies, \$22.75; Top Surreys, \$16.75 and upwards, and they are shipping them in immense numbers direct to farmers in every state. They send an immense Buggy Catalogue free, postpaid, to any one who asks for it. This certainly is a big victory for the farmer, but a severe blow to the carriage manufacturers and dealers. 7-14-98.

## Agents MAKE Money

This is the opportunity of a life-time. Agents are making \$50 to \$150 a week.

## FITZHUGH LEE, Maj. Gen. U.S.A.

and Int. Consul General to Cuba, writes a book on Cuba and the Spanish War.

We have on press for early issue, General Lee's own story of Cuba and the Spanish War, to be published in a substantial book of over 500 pages, 7 1/2 inches in size and almost

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**Truly Grateful.**  
Cholly Softley (concluding the interview)—And if you refuse me your daughter I shall kill myself, sir.  
Col. Fireater (warmly grasping his hand)—And I will never forget it of you, son, and I beg to thank you kindly, son, for taking the job off my hands, son.—Judge.

**Raising a Technicality.**  
"No," she declared severely; "the lips that touch liquor shall never touch mine!"  
"I beg to assure you," said Col. Stillwell, without hesitation, "that I shall never think of partaking of a mint julep without a straw."—Washington Star.

**Looked That Way.**  
The Office Boy—Say, I believe the shipping clerk is thinkin' about marryin' you.  
The Typewriter—Why, the ideal!  
"On the dead, I do. I heard him askin' the bookkeeper how much salary you got."—Cincinnati Enquirer.

**A Sign of Improvement.**  
Smith—How is your daughter getting on with her piano lessons?  
Brown—I think she must be improving. The last tenants in the flat above us stayed two weeks.—N. Y. Evening Journal.

**Orders.**  
First Commercial Tourist—You just ought to see the orders I get from my house.  
Second Commercial Tourist—That so? I get mine from the trade.—Chicago Journal.

**Rather Indecent.**  
Little Girl—Ma wants five cents' worth of dog meat.  
Butcher—Bologna or frankfurters, miss?—Judge.

**His Only Chance.**  
Johnson—Scribbler has a great future before him.  
Jackson—You believe in the immortality of the soul, then.—Pick-Me-Up.

**Loaded on His Feet.**  
She—I like your impudence. I haven't quite reached the bargain-counter yet.  
He—You would be a bargain on any counter.—Harper's Bazar.

# WHY?

"Embroidered letter cloth on your Small Size Note, looks splendid! Send me at once an ink case color and fountain pen."

## THERE YOU HAVE IT, Clear as Mud.

The original of the above, written with a pen, when deciphered was seen to be only an order for a type-writer. It reads: "Enclosed find draft on New York for \$50, for which please send me at once one of your latest improved type-writers."

He is purchasing a machine now too soon, you say. HOW ABOUT YOURSELF? You may not write so poorly as he does, and your letters may not be illegible, but a type-written communication has a business-like appearance which a pen-written one has not.

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The following Tacoma dealers in supplies for the Klondike and Alaska trade are Stockholders in the Company and will inform you regarding the reliability of its officers: Monty & Gunn, Groceries; A. F. Hoska, Harness Co.; Morris Gross Co., Dry Goods and Clothing; W. G. Rowland, Outfitter; Hugo Felitz, Tents Tacoma Hardware Co. 10-25-97.

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Invisible Ink, HOW TO MAKE IT. Recipe in STAR CO., Fenner, N. Y.

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Notice is hereby given that I have purchased the following named articles at the constant sale of Albert Regel and all persons are cautioned not to meddle with the same:

- 1 threshing machine, 1 sleigh, 1 plough, 1 harrow, 1 cultivator, 1 horse gear, 2 collars, 2 tubs, 2 butter churns, sausage stuffer, 1 iron acetle, flour chest, excelsior cook stove, bread cupboard, 1/2 ton hay, 2 empty cans, 1 vinegar barrel, wood chest, 20 yards carpet, 1 clock, 6 kitchen chairs, bedstead, bureau, corner board, 6 acres corn in the ground, one-seventh acre potatoes in the ground. EDWA A. REBEL, Globe Mills, Pa., May 27, 1898.

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