



NOTES ON SCIENCE.

CURRENT NOTES OF DISCOVERY AND INVENTION.

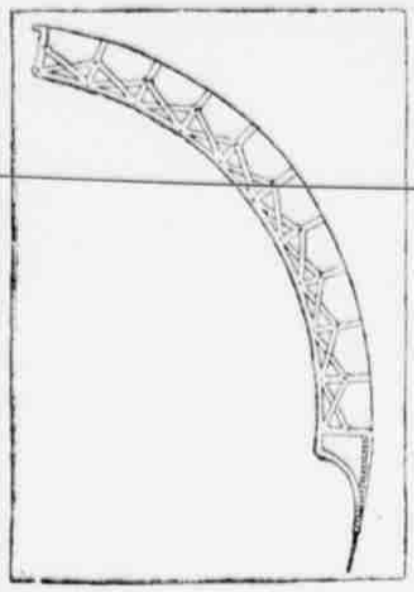
Danger to Health in School Rooms—A Wire Fence Convenience—Curved Ruler Invented by a Russian—The Smallest Watch.

DANGER TO HEALTH IN SCHOOLS.

Many people who are scrupulously careful of the health of their children in the home are strangely indifferent to the conditions prevailing in the school. Hygiene in the public schools is a subject that is yearly receiving more and more attention...

venient in drawing schools, architects offices and for designers use generally. With the aid of this ruler, it is not only possible to draw a curve of any radius, but also to measure curves accurately...

The frame of the ruler consists of a series of pivoted levers connected with each other in such a manner that when the adjusting screw is turned the arc of the circle is varied accordingly.



either direction this indicator moves correspondingly to show the size of the arc.

RUBBER FORESTS IN VENEZUELA.

Along the river Orinoco the caoutchouc, or rubber, trees are scattered about in families. In forests composed of many other valuable woods, the men engaged in the collection of the raw rubber make entrances into the thick forest on the banks of the stream...

LIVING UNDER WATER.

The remarkable marine beetle, Aepy, believed to be, geologically, one of the most ancient inhabitants of the British Islands, and found in both hemispheres, lives under water when the tide is out...

CAKE DISH AND CANDLE HOLDER.

Mrs. Julia Alice Earl of Cincinnati has invented a combined dish and candle holder for use in connection with birthday cakes. It has a central vertical tube, with a second tube coupled to the first one at its upper end...

THE SMALLEST WATCH.

What is said to be the smallest watch in the world has recently been made. It is so small that you could get four watches of its size on an area equal to that covered by a 25-cent piece.

SCIENTIFIC NOTES.

Improvement in Glass-Blowing. By employing compressed air, a Dresden manufacturer has lately succeeded in producing glass vessels of extraordinary size.

A WIRE FENCE CONVENIENCE.

A wire fence convenience presents to those who understand the "power" of its bars a formidable appearance, and in truth, is an unopposed affair to cross, either by climbing over or crawling under...

A STEP-LADDER.

In truth, is an unopposed affair to cross, either by climbing over or crawling under, or between the strands. Happily, however, the accompanying illustration shows a convenient and safe arrangement whereby such barriers may be crossed as often as desired...

CURVE RULE INVENTED.

In the picture is shown an adjustable curve ruler invented by Prince Alexander Gagarin of St. Petersburg, Russia, which will be found very convenient in drawing schools...

Belles of Early Days Peculiar Practices to Insure Beauty.

The all-absorbing mission of the beauty of a twenty-five years ago was the culture of attractiveness and the devices and tricks resorted to in the frantic struggle to be irresistibly attractive makes the belle of the early 20's and 30's appear to the girl of today a most remarkable creature.

Exercise Never Indulged In. Our great-grandmothers never exercised. It was considered deplorable and ruinous to beauty. They were constantly advised to avoid all excitement and violent emotions...

Tricks for Improving the complexion were simply numberless. The juice of strawberries was a favorite remedy for a shining, oily skin. An internal remedy was sometimes taken, consisting of a teaspoonful of charcoal mixed with honey...

PERILOUS ORCHID HUNTING

Probably very few people have any idea that orchid hunting, like lion or tiger hunting, is a dangerous sport. The strange beauty of the flowers and the high prices which they bring are the subject of common comment...

Queen Alexandra. Love for children is a prominent trait of the character of the queen consort. She was passionately devoted to her own children, and she has never wholly recovered from the death of her eldest born, the Duke of Clarence.

The First Torpedoes. Torpedoes, when first employed by the Americans against the British in the Revolutionary war, were called American turtles, and their use was pronounced infamous and worthy only of savages.

Expectations. When a young man asks a girl to clip a thread off his necktie, and there is nobody else around, she may be excused for being disappointed if that is all that happens.—Somerville Journal.

OLDEST POSTMISTRESS

The oldest postmistress in the country is Mrs. Mary Passhall of Trenton, Ind., who was appointed by President Lincoln and who is now 99 years old. To her women who hold postoffice positions today owe much.

Until you have tried serving cold, peeled, sliced tomatoes—those that are firm but fully ripe and red—on a bed of watercress, and sent a good French dressing around with them, you will not have achieved perfection in tomato salad.

TALMAGE'S SERMON. MAN VERSUS EVIL THE SUBJECT LAST SUNDAY.

From Proverbs XXIII: 35, as follows: "When shall I awake? I will seek it yet again!"—The Return of the Prodigal—Surmounting Obstacles.

Copyright, 1901, by Louis Klopsch, N. Y. Washington, Nov. 10.—In this discourse Dr. Talmage depicts the struggle of a man who desires liberation from the enthrallment of evil and shows how he may be set free; text, Proverbs XIII, 35: "When shall I awake? I will seek it yet again."

With an insight into human nature such as no other man ever had Solomon in these words is sketching the mental processes of a man who has stepped aside from the path of rectitude and would like to return. Wishing for something better he says: "When shall I awake? When shall I get over this horrible nightmare of iniquity?"

About a mile from Princeton, N. J., there is a skating pond. One winter day, when the ice was very thin, a farmer, who was warned by the young men of the danger of skating at that time, they all took the warning except one young man. He, in the spirit of bravado, said: "Boys, one round more!"

Surmounting Obstacles. So far as God may help me I propose to show what are the obstacles to a return and then how you are to surmount those obstacles. The first difficulty in the way of your return is the force of moral gravitation.

Slavery to Habit. A physician tells his patient that he is destroying his health, as it is destroying his health. The man replies: "I can stop that habit, easy enough." He quits the use of the weed. He goes around not knowing what to do with himself.

Surrendering to God. Some of you, like myself, were born in the country. And what glorious news might these young men send home to their parents that this afternoon they had surrendered themselves to God and started a new life!

The Prodigal's Return. The prodigal, wishing to get into good society, enters a prayer meeting. Some good man without much sense greets him by saying: "Why are you here? You are about the last person that I expected to see in a prayer meeting."

Before the end of this year, telephonic communication will have been established between the cities of Italy and Switzerland. The young man who was brought disgrace on his father's name broke his mother's heart! Better that he had never been born.

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