

THE FIELD OF ELECTRICITY

Attempts to Harness Atmospheric Electricity by Means of Kites.

WHAT IS THE CAUSE OF THUNDER

Telephone Lines Working a Revolution in Country Life—Facts About the Oldest Electric Line in Europe.

The New York Herald reports that Prof. William A. Eddy, the kite expert of Bayonne, N. J., is now engaged in seeking a means to harness electricity in a cheaper and better system than that of the dynamo.

Three tall kites, 2,000 feet of three-strand copper wire, an iron rod and a single wire comprise the apparatus. Prof. Eddy has progressed far enough to utilize the intense intermittent current for photographic and laboratory purposes.

On the ranches of the southwest a use of the telephone more startling and really new has been made. There, in the last few years, the use of the telephone in the early days had been checked by the drought and famine.

The collector is 610 feet below the kites, and it raises above the ground it gathers electricity. The collector is a light wooden frame about two feet long.

A correspondent writes to the Electrical Review as to "What is the cause of thunder, meaning the cause of the noise?" We do not know, he says. The thunder, we know, is a resonance of air caused by lightning.

Most of the authorities in definition say thunder is the noise immediately following a flash of lightning, and is due to the disturbances of the air caused along its path by the discharge, and they let it go at that.

Chemical effects are most varied. Priestly found a reduction of volume in moist air by passage of the spark (which may be significant), and that the air became acid.

A quiet revolution is taking place in western country life, which promises to accomplish results within a year more important and far-reaching than any since the advent of the transcontinental railroads.

Telephone Lines Working a Revolution in Country Life—Facts About the Oldest Electric Line in Europe.

The trolley cars seat twenty to twenty-eight passengers, and four passengers are allowed on the front and five on the back platform.

PEDAGOGUES IN PORTO RICO

American Teachers Bound to Be Surprised on Going to the Island.

SALARIES PAID ARE NOT MUNIFICENT

Many Other Conditions Combine to Make the Lot of the Teacher Anything but a Pleasant One.

American school teachers who seek a change of scene and a change of scene from far from home for employment are fairly certain of being unpleasantly surprised should they go to Porto Rico.

"None of the members of the supervising and the teaching staff of any of the public schools shall receive a salary greater than that fixed for the seventh year of service, unless and until the services of such a person have been approved for a higher position.

"The island," says the writer, "is divided into districts, each of which comprises several towns, and in each town there is an English supervisor—an American. These towns are isolated, miles apart, and in the majority of instances connected only by trails that can be passed by horses alone.

"When the English teacher—so-called because his mission is to teach the English language—arrives, and I speak of those arriving after November 1st, he finds a school in which the positions in the more accessible towns have been filled, and they are given two letters of introduction, one to the 'alcaldé,' or mayor of the town, and another to the inspector of schools.

"Another girl, but 20 years old, was sent to what was considered a desirable location in a wealthy pueblo. A distance of ten miles was covered on the French railroad, where a diminutive hand bell is used to indicate steps and starts, and whose every car is a smoker.

"The people, he it said, worship the American teacher with a mild idolatry, and the works are done with the best of will, but the prodigal son himself could have no greater effort made to minister to his comfort.

"There are no imaginary sketches, but the exact truth concerning that to which the girls have been subjected during the months of November and January, Porto Rico and there are today girls living entirely unprotected in these towns, girls college educated, from homes of culture and refinement.

"The board of education shall have power to adopt by-law fixing the salaries of all school teachers, superintendents and all other members of the supervising and the teaching staff, and the salaries of all principals and teachers shall be regulated by merit, grade of class taught, length of service, experience, etc.

"The number of pupils attending the municipal schools of this town (Chang) are 1,570 pupils.

President Gilman of Johns Hopkins university has been granted an unlimited leave of absence to visit the University of the Pacific and to accept the offer of a permanent position in the faculty of that institution.

IREY MAKES HIS APPEARANCE

He is Arraigned in County Court on the Charge of Accepting a Bribe.

TELLS THE JUDGE THAT HE IS INNOCENT

Accused School Board Member Says His Wife's Serious Illness Justified Return from Pennsylvania—Asserts Confidence.

George G. Irely, who has recently been ousted from a place on the school board, and who is accused of bribery in connection with the award of contracts during his tenure, appeared before Judge Vinsonhauer yesterday.

"I am innocent," Irely declared, when asked to plead. He was not accompanied by a lawyer, but it is understood that he has arranged for prominent legal representation, and that when his case is called for trial he will make a spirited contest.

"Irely sat about the court room several minutes after his arraignment and talked with all who approached him. In explanation of his long absence in Pennsylvania, to which place he went on a visit prior to the school board exposure, Irely declared that he would have returned immediately on receipt of information that his wife had been stricken with a serious illness.

"The defendant in the case, which is the termination of a contract for the purchase of a new building for the school board, is the late Martin White, chief of police, and his widow, who is suing for the balance of the contract.

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STALLS BRING HIGH PRICE

Market Boss Leases Choice Locations to Throng of Eager Bidders.

AUCTION PRODUCES UNPRECEDENTED SUM

Gardeners Enter Bids for the Preferred Booths, and Pay Liberally for Privilege of First Selection.

Market Boss Goerke of the public works department held a merry auction at the city hall yesterday, scores of gardeners striving for the first choice of stalls during the season just opening.

The highest price previously paid for a stall was \$10. These stalls are in addition to the rental of 10 cents per day fixed by ordinance and are simply imposed to obviate the rivalry among gardeners for the choice stalls.

The money derived from these sources is devoted to the legitimate expenses of the department and last year there was a balance of several hundred dollars, which was turned into the general fund.

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TO THE MAN WHO THINKS.

Look yourself squarely in the face and see if you are not half ashamed to be without Ivory Soap in your house. Worse than this, your wife is without it. It is bad enough for a man, though a man often doesn't care how his comfort is mis-spelled. But a woman misses all these little helps to housekeeping.

"CALLS" ARE NOT TAXABLE

Decision by Judge Lacombe of Far-reaching Importance to Brokers and Speculators.

NEW YORK, March 1.—Judge Lacombe of the United States circuit court has just handed down a long decision on the protest made by S. V. White in his suit against Collector of Internal Revenue Trench to recover the money paid for war revenue stamps required to be fixed on "calls."

"An English invention for steering any craft, whether submerged or otherwise, by means of an ether wave or the wireless telegraph principle has been perfected. In naval war it is expected to make the torpedo boat almost infallible. In this respect it will equal the great American dyspepsia cure—Hostetter's Stomach Bitters—which never fails to cure constipation, indigestion, dyspepsia, biliousness, malaria fever and ague. Everyone needs it, and all druggists sell it.

File Lien Against Railroad.

NEW YORK, March 1.—The National Bond and Cable company today filed a mechanics' lien against the Forty-second Street, Manhattanville & St. Nicholas Avenue railroad for \$25,234 for cable laid and drawn in the ducts of the company and contracted for by the Third Avenue Railroad company.

Banker Dreyer Convicted.

CHICAGO, March 1.—Former Banker E. S. Dreyer was found guilty today of embezzlement and given an indeterminate sentence in the penitentiary.

DO YOU USE ONE?

If you do we would like to have you come to our store and see how much we can save you on supplies. Our stock is most complete—every known reliable camera—all the different developing and toning baths—trays—printing frames—mounts, etc. We develop and print at reasonable prices.

THE ALOE & PENFOLD CO.

1408 FARNAM OMAHA. Op. Paxton Hotel.

Drexel Shoe Co.

Omaha's Up-to-date Shoe Store. 1618 FARNAM STREET.

A Full Clear Richness—

The features of the A. Hospe piano—aside from its wonderfully susceptible and responsive action—lie in the depth, power and brilliancy of its tone—it combines in a remarkable manner the crisp sweetness required for piano pyrotechnics—with a full, clear richness and a tremendous reserve volume—it is equally effective in swift pliancy and crashing bravuras—and under no conditions loses that sympathetic mellowness so pleasing to trained ears—We make very easy terms on this piano.

CASTORIA

The Kind You've Always Bought

Bears the Signature of J. C. Watson

Music and Art. 1513 Douglas.

