Electricity to Run Sewing Machines-New Watchman's Register-Primary Carbon Battery-Tho Radio Micrometer.

The Electrical Exhibition. Electrical World: From the large number of applications which have been made for space at the coming electrical exhibition of the American institute, to be opened on September 28, it is evident that the display will be a most interesting and varied one.

The exhibition will be specially strong in its showing of the possibilities of the electric motor and its applications, all the prominent companies engaged in this work have applied for large space. An extensive scope of work will be brought to notice, one company going even so far as to undertake the manufacture of

its machines on the premises. Another motor company will show a new method of operating elevators didetly by an electric motor without indirmittant gearing. Such an elevator will be in operation in the building. A small electric railway will also be operated in the building and a fully equipped electric street car will be shown by one

of the motor companies. What will undoubtedly attract a large share of attention in this department will be the new pyromagnetic motor of Mr. Edison, which it is proposed to finish in time for the exhibition. In the department of electric lighting several incandescent and are systems will be shown, among them one of lowresistance incandescent lamps in series.

Electricity to Run Sewing Machines. It was to avoid the necessity of belting and at the same time to do away with the presence of an auxiliary machine on the board for driving, that Mr. Philip Diehl, of Elizabeth, N. J., conceived the idea of combining the motor and sewing machine into a practical unit. The motor is completely housed within the fly-wheel of the machine and connected directly with the driving shaft, so that all gearing is obviated. The magnet, which consists of a single piece, is wound which consists of a single piece, is wound with wire, connected to two terminal brushes. This magnet is permanently fixed to the hub through which the shaft passes. The armature is of the Gramme type, and is held in position with the rim of the wheel. The wires leading from the periphery connect to the commutator at the hub, and the brushes on the magnets bear against the segment.

the magnets bear against the segment.

The wires leading to the motor pass up through the hollow casting of the frame, and are connected to a switch by which the machine can be started and stoppe at will. The fly-wheel is provided with a clutch or stop motion in connection with the shaft, so that it may be connected with the latter, or turned loose, as is common in sewing machines—the wheel being disconnected from the shaft when winding bobbins. This is accomplished by the turn of a thumb-nut at the rear end of the machine. New Watchman's Register.

Electric World: A new watchman's register has been designed by Mr. W. L. Bundy and manufactured by the Auburn Electric Clock company, of Auburn, N. Y. In order to reduce the number of parts and bring them to the simples form the apparatus is so arranged that all the stations are operated by a single set of magnets placed within the register. The watchman in making his rounds sends in a registering signal by inserting a peculiar shaped key in the station box and turning it therein. As the key is turned in the station box, the visit is instantaneously recorded on a paper dial ing the paper, or by printing the number in plain type upon the face of the same, the time that the key is turned in the station box being also plainly indicated on the dial. on the dial.

In order to control the watchman while on duty, a superintendent's alarm is in-cluded in the register. This is so arranged that if the watchman does not register his visit at each station in proper time his absence is signaled at the house of the superintendent. The alarm also gives warning in case the watchman should be disabled from duty as in the case of interference from burglars. In order to prevent the watchman from tampering with the register, it is further arranged that the opening of the door cuts a little notch in the edge of the dial and thus indicates the time at which the

door was opened.

An important addition to the system is the fire alarm attachment. This can be operated either by the watchman on his rounds, or the alarm can be sent in automatically by means of thermostats. There is thus provided in the system complete protection. The paper dial in the register can be removed each day and filed away for reference.

A Primary Carbon Battery. The bigh cost of the zinc consumed in the primary battery has always stood in the primary battery has always stood in the way of its more general adoption as a source of electricity, and hence it has been the endeavor of many to find a sub-stitute less costly. Carbon in its different forms evidently presents a number of ad-vantages, principal among which is its cheapness. Electric currents has been cheapness. Electric currents has been produced by the union of carbon and oxygen in the past, but the method employed have required a high temperature and hence entailed considerable loss of energy in the form of heat.

It is to avoid this that Mr. Willard E. Chase, of Auburn, N. Y., has devised a form of cell in which the oxidation of earbon is affected without the applicatisn of heat In the usual style of bat-tery, carbon constitutes the in soluble or negative electrode, but in the new cell carbon is the positive or soluble elec-

One form of the cell consists of a glass jar containing a porous cup, in which is placed a conducting body of hard car-bon such as coke. The negative electrode

a sheet of platinum. In the porous cup is placed a quantity of carbon in comminuted form, previously moistened with sulphuric acid. In the outer vessel is placed sulphuric acid. A cell thus arranged will give substantially no current, inasmuch as both ele-ments resist the action of the acid. To the acid, however, chlorate of potash gradually added in small quantities. The result of the reaction of the sulphuric acid and chlorate of potash is the forma-tion (among other things) of peroxide of chlorine clo2, which is a yellowish-red gas, and which permeates the liquid, gradually turning it to a red color. For ractical purposes it is sufficient to cease dding chlorate of potash when the acid turns a distinct red. A reaction between the carbon and the peroxide of chlorine will, however, begin as soon as the peroxide permeates the porous cell and reaches the carbon, and if the addition of chlorate be suspended, this reaction will continue until the acid loses its red hue, when probably the chemical affinities between the peroxide present and the carbon are satisfied. More chlorate may then be added. hes the carbon, and if the addition of

The Radio-Micrometer. Leisure Hour: The most sensitive in-strument yet made for measuring degrees of heat has recently been exhibited at a soirce of the Royal society by Mr. C. V. Boys, who calls it the "radia-micro-

meter." As may be imagined, it is an improvement upon the thermo-electric pile, an instrument which, measuring the thermo-electric pile in connection with gaivanometer, Melloni was able to with gaivanometer, Melloni was able to The Daft company has shipped to Lonscomeness.

The Daft company has shipped to Lonscomeness. measure radiant best to the 1-5000 of an inch. But the radia-micrometer is about one hundred times more sensitive than the thero-electric pile. The most minute increments of radiant heat are instantly increments of radiant heat are instantly detected by it. Mr. Boys is able to produce a visible effect of heat on a half penny held at a distance of more than 1,100 feet from an ordinary candle frame. Prof. Dangley's "bolometer" had already surpassed the thermo-pile and galvanometer as a delicate means of detecting heat-radiation, but the radia-micrometer, says the inventor, has about one hundred times the sensitiveness of the bolometer. The one hundreth millionth of a degree of heat is within the range of its powers of detection. The electric apparatus consists of a movable circuit of copper, antimony, and bismuth, hung by a quartz fibre in a strong magnetic field.

Interesting Electrical Experiment. Arkansas Traveler: At the Royal institution, London, Mr. Wimhurst has exhibited an exceedingly interesting experiment, in which small type, placed on a disk revolving several thousand times minute, was distinctly seen and read while in motion. This was accomplished by means of an electrical arrangement, which caused brilliant sparks to illumiwhich caused brilliant sparks to filuminate the print at the exact instant only when the type was vertical. But for the buzzing produced by the great velocity of the disk the words would have been supposed to be at rest. This beautiful application of the electric spark, gives a read.

ready means of observing any and all changes which may take place in either matter or machinery in rapid motion. Long Distance Lighting. Electrical World: Last week the towns of Fishkill and Matteawan, on the Hudson, were lighted for the first time by the Heisler long distance system. The com-bined circuits are over 18 miles in length, the distance to the farthest lamp being four miles from the station. A single dynamo capable of maintaining 160 thirty c. p. lamps is driven by water-power at 820 revolutions, candle power. Of the lamps in use there are 44 of 30 candle power, 138 of 20 candle power, and 1 of 45 candle power, making id all 183 lamps.

The lamps are all in series, and require

a current of about 5 amperes. The circuit consists of a Ne. 8 B. & S. wire. The Tide With the Electrician. Electric World: As our towns and cities advance in their ideas of urban sanitation, comfort and convenience, they strive to supplant the horse railroad by some better agency, and the superiority of electricity is more and more manifesting itself and being acknowledged for this class of work. We are not at all surprised to find the Business Men's association at Buffalo resolving in public meeting against horse power, and expressing pleasure at the announcement of an intention to adopt other methods. This is but another indication that the tide is with the electrician, and that though the general adoption of electric motors for street railways may seem slow, it is nevertheless sure. And, after all, is the work slow? We do not know of any other department of electricity

A Telegraphic Cipherer

A dapper young fellow, wearing fash-ionably good clothes, and lounging idly about the Long Branch notels during the forenoons and evenings, is never seen at the shore afternoons. He is then at the races, and has curious employ-ment there. Four times in as many years have the pool sellers and bookmakers of New York city been swindled by false reports of the races. Shrewd rascals have tapped their private wires, for-warded wrong names, and so led them to pay heavily on tickets previously bought by confederates. This year the turf gambles have joined in self-defense. The young man is employed to telegraph in cipher, independent of all other reports, the names of the winning and placed horses in every race. Until his secret dispatch is received no money is paid on tickets in any New York pool very carefully, and is paid a good salary, for it is in his power to mislead his joint employers ruinously; and to further guard against his falsity he and his friends deposited \$5,000 with a committee, the money to be forfeited in case he plays a trick.

Opportunity for Motors. Wherever power is wanted in the vicinity of an electric light or power station, there is a chance for the motor, and although in a few localities water

power reigns supreme because it is cheap, yet taking the country—the populous centers—as a whole, the electric motor leads to-day as the machine for furnishing power to the best advantage to all but the largest consumers of it. Freaks of the Lightning.

One stroke of lightning killed the five horses of Peter Goodhue, of Madison Prairie, Dak., and rumed his barn. Lightning struck a flock of sheep be-longing to W. A. Faison, Wilmington, N. C., and killed twelve of them.

Lightning at Gabriella, Fla., struck a tall pine, which it split from top to bot-tom. Then it jumped twenty feet to a barbed wire fence, cutting out the posts and ruining the fence for a hundred W. H. Barnes, of Taylor, Ga., had just

driven under an oak and was dismounting when he was knocked senseless by lightning. When he recovered consciousness the mule he had driven was dead and the oak was in a blaze. Oscar Brown, of Fergus Falls, Minn.

sat in his house with his wife and chil-dren while lightning knocked the plaster from the walls, burned all the picture frames, set fire to the doors, and raised hob generally, yet none of the family was injured.

Two men in the section house of Daw-son, Ga., occupied a bed, the headboard of which was cut into kindling wood by lightning. Other furniture of the room was also knocked into fragments, and dishes were hurled in every direction, yet neither man was even stunned.

While Doyle Brown, of Talking Rock, Ga., was shoveling up chips, lightning struck the handle of the shovel and split it in two. The bolt then divided and ran through both of Brown's hands and arms and passed out at the back of his neck, killing him. An old man twenty feet away was knocked senseless.

Electrical Brevittes.

The Chinese government officials have lines of wire from Shanghal to the north and south we'll established and in good working order. Messrs, Edison and Gilliland are at work upon some device which shall

register a message coming by telephone. Valuable results may be expected. Electricity under favorable circum-stances has been found to travel at the

rate of 280,000 miles per second. The Wisconsin Electric Manufacturing company, incorporated by A. Willer, W. J. Roberts and A. A. Hopkin, with a capital of \$150,000, proposes to build and operate a telephone exchange in Milwau-

A contract has been made for an Edison plant for the insane hospital at Yankton, and the building is now being wired tor 300 lights.

According to Engineeering, Mr. H. N. Warren, an English investigator, has succeeded in producing a very dense graphitodal earbon for incandescent electric lighting by passing the discharge from an induction coil through a vessel containing coal gas. The graphite forms on the end of the negative elec-

The Daft company has shipped to Pittsburg. Pa., the first motor intended for the Daft road there. It is a motor of no less than thirty-five horse pewer, and is built to make use of both overhead and and underground conductors. In the populous parts of the town it derives curpopulous parts of the town it derives current from a conduit, and then it utilizes the overhead wire with the ordinary trolley. This motor has to surmount grades of 14 per cent, and there employs a sprocket wheel engaging with a perforated rail, the wheel being raised and lowered at will. The car is provided with electric lights and gongs and has an arrangement for introducing variable resistance, so as to control the speed of descent. The motor weighs six tons.

The Daft electric railway at Mansfield, O., has gone into operation, start-

It is proposted to build an electric tramway at Carlsbad, and a concession has already been obtained for the pur-A bill is before the Georgia legislature to authorize the Georgia Mining and Improvement company to build branch

railroads. The Brooklyn, N. Y., & Jamaica Plank railroad company has contracted with the Van Depoete Electrical Manufactur-

ing company for an electric railway.

MUSICAL AND DRAMATIC. Rosina Vokes has returned from England Mme. Gerster will sing only in concerts under Henry E. Abbey's direction. A violin, made for Louis XIV., has just been sold at Buda-Peth for \$3,500. Miss Helen Dauvray lies very ill at her residence, No. 49 Park avenue, New York.

Mine. Niemann Raabe the great German comedienne, will appear at the Star, N. Y., January 2. George Edgar has been secured by A. M. Palmer to head one of his "Jim the Penman" companies on the road. The comic opera "Dorothy," which has passed its 300th night in London, will follow "Arabian Nights at the New York Standard

theater. Lydia Thompson, whose charms never fade, has opened the Strand theater, London, with the "Sultan of Mocha," Violet Cameron is in her company.

Manager Henry E. Abbey has finally con-cluded to reopen the season at Wallack's, N. Y., October 10, with "The Mouse Trap," a new comedy-drama by Sidney Grundy. The Academy of Music, N. Y., was sold last Wednesday by William B. Dinsmore and wife to William P. Douglas for \$25,000, subject to a mortgage of \$195,000 held by the executors of John Schenck.

Rehersal of "The Henrietta," a new com-edy ina four acts by Bronson Howard, has be-gun at the Union Square theater, N. Y., where the new piece will be produced Sep-tember 29, by Messrs, Robson and Crane. James Aldrich Libbev, the popular bara-tone, will assume the roll of the Count di Luna in Il Trovatore," at Music hall, Bos-ton, October 4, wilh Mme Fursch-Madi as Leonora and Charles R. Adams as Manrico.

Mie. Antoinette Bella, who is described as the handsomest as well as one of the most graceful of ballet dancers, arrived in New York from Havre last week. She comes from the Royal theater, Turin, and is engaged for Kiralfy's Dolores.

gaged for Kiralfy's Dolores.

Apropos of the centenary of Don Glovanni, the Vienna Abendpost, relates that Mozart wrote this opera in September, 1787, in Prague, partly in the inn at the Sign of the Three Lions, and partly in the garden of his friend Duschek. The overture, which Mozart himself conducted, was not finished until the evening of the performance.

The Reston Ideal Opera company, under

til the evening of the performance.

The Boston Ideal Opera company, under the management of Colonel W. H. Foster, will be constituted as follows for the coming season: Mille, Zelle de Lussan, prima donna; Miss Ida Klein, of the Metropolitan Opera company of New York, soprano; Mle. Lablanche, contralto; Mr. Charles Modini, Mr. Frank Baxter, tenors; Mr. A. D. Saxon, baratone; Mr. W. H. Clark, basso; Mr. J. W. Herbert, of Ko-Ko fame, comedian; Miss Harrist Avery, mezzo-soprano; Mr. Clement Bainbridge-light comedy roles. The company will number seventy-four people.

The three most prominent soubrette act-

pany will number seventy-four people.

The three most prominent soubrette actresses in the United States are, at the present time Lotta, Maggie Mitchell and Anna Pixley. The first named has been on the stage since 1851, the second has been on the stage since 1851 and the third has been on the stage since 1864. It is evident that neither of these ladies, whose ability no theatre-goer of these ladies, whose ability no theatre-goes will dispute, has the charm of radiant youth. It is not strange that there does not appear on the theatrical horizon some young actress who could henceforth dispute the sway of Herr Ludwig Barnay, the great German

Herr Ludwig Barnay, the great German tragedian will begin his farewell tour of America under Manager Conried's direction in New York, March 11, giving twelve performances in that city and eight elsewhere, probably in Chicazo, St. Louis and Cincinnati. The pieces in which he will be seen for the first time in this country are "Richard III," "Othello," "Koesting," "Columbus," "Lindau's Grafin Leah," "Gottshall's Pitt and Fox." "Der Probepfell" and "Les Fourchambault." He will also give his new version of "Lear," "Uriel," "Acosta" and the forum scene from Julius Cæsar. the forum scene from Julius Casar.

## IMPLETIES.

Chambersburg Valley Spirit: A brother in prayer meeting in a neighboring town the other night prayed for the absent "who were prostrated on beds of sickness and sofas of wellness."

The average woman thinks a good deal more about the condition of her crimps than she does about the salvation of her soul; and the average man wouldn't like her half as well if she didn't.

In the midst or a fervent exhortation to sinners a Portland revivalist, who is by business an auctioneer, exclaimed: "Twentynine I've got; thirty shall I have 'em? Bless the Lord! Twentynine are saved; who will come next? Shall I have thirty?"

"I'm one of the committee on tracts and would like to leave a few with you."
"You're the track committee, be ye? Well, then, you must know how ter make 'em. You'd best make a few out by the front gate and let the heels be towards the door, too."

and let the heels be towards the door, too."

A Boston lady attended a funeral in a country church a short time ago, and after the singing of a hymn, which was striking, melodious and appropriate, a rustic male friend who was seated beside her remarked with an air of intense local pride: "Beautiful hymn, isn't it? The corpse wrote it."

Old Dr. Bancroft, of Worcester, Mass., being desirous to have the commandments put up in his church in a handsome style, applied to a witty painter to furnish them, and was very particular that he should have clear stuff—what the carpenters call good, handsome board. "Oh, yes," said the painter, "I understand. You want the commandments without the 'nots' in them."

It may or may not be new, but here it is as

without the 'nots' in them."

It may or may not be new, but here it is as related by a Texas minister. Through the persuasion of a reliable friend, whose word he trusted, Deacon Goodman bought a handsome poil parrot for his son. The deacon purchased Polly only after being doubly assured that she had been reared in a godly family. That night the good deacon bowed his head in family prayers and said: "Oh, Lord, bless thy humble servant, and his wife and children and maid servant, and—Here the deacon, pausing for a moment, was the deacon, pausing for a moment, was startled by a voice which shrilly croaked: "Well, where in —— do I come in?"—Baptist

Recorder.

"Yes, brethren," said the preacher, "when you are taken before that Great Judge of Judges you will have to give an account of every idle moment of your lives." We didn't say anything just then, but after church let out we held a caucus with the preacher and asked him if he didn't have to do the same thing. "Oh, yes; most certainly," he replied. "Well," said we, "could you be so kind as to let me see the account book you keep your idle moments in?" "I have no what you call 'account book;' such accounts are kept in my mind, sir." "Oh, in your mind, eh? Well, sir, I don't like to be too fresh, but permit me to say that if they have a first class bookkeeper in heaven, your mind accounts will not be worth a d—n." Then he got mad at a little thing like that and said we were a blas phemer.

India camel's hair, soft and rich of texture, is much used in combination with the hand-some plaided goods of various kinds, and a favorite fashion of making up these fabrics is that of putting a pleated panel of the plaid or check on the left side of the skirt, shirring it several inches below the belt, then letting it fail in kilts to the hem of the skirt.

Lonssomeness.

HEARTLESS BRIDEGROOM

Married the Man She Wanted-An Unfortunate Heiress - A Spanish Marriage by Proxy.

My Queen.

She ...es with power, she rules with art, Somewhat tyrannical, 'tis true; Her throne is built within my heart, Her sceptre sways o'er all I do.

'Tis said when woman rules a man She does so in such artful way That he surmises not her plan. And thinks to serve her ic but play. I'm gifted with a keener sight;
I know her schemes, her wiles are plain;
Yet still I think my burden light—
As murmuring would be in vain.

I run her errands, pay her bills, And nurse the babies half the time; These are but sugar-coated pills, That man gulps down in every clime.

And so she plays her queenly role; I lauzh and jest beneath her gives; Along life's road I pay the toll, While she but holds the reins and drives. Oh, yes, she rules. But tell her so?
I dare not, for my very life.
Call me blind fool? Oh, well, you know, I dearly love my queen-my wife.

Marrying for Money. For those who like to read of love and marriage, this from the London Saturday Review may prove interesting:

This is the pivot on which their whole lives turn as young ladies "out" must revolve. Marry they must and as well as possible, for not to marry means an uncomfortable old age. As daughters of rich parents they have been accusiomed to every luxury, including large households, plenty of horses and carriages, accompanied by every form of amusement that money can purchase. If they fail in their object of marrying, when in due course of time their parents die, they are left with but very moderate incomes, without a single habit of thrift, and with most extravagant tastes. They get em-bittered and soured when they find that many of their so-called friends, who were ready to be on most excellent terms with them while they could enjoy the hos-pitality extended to them at the open house of their parents, now treat them with considerable less cordulity; for the friendship and affection of many, though by no means all, may be gauged by the amount of quid pro quo they may re-

There is also another strong reason why girls are anxious to marry-namely, the desire to have an establishment of their own and to be free from the restraint of their homes, more especially in cases where there is not much love lost between mother and daughters. All these things combine to impress on young ladies in society that the one aim and object of their lives is to make good marriages, and the lesson that any sentimental ideas about affection and heart must be banished is thoroughly inculcated into their minds. Anything in the shape of poverty must be avoided like a plague; better in their minds to have the good things of the world than love and narrowed circumstances combined.

ceive.

Few of them really consider what a miserable future they are laying up for themselves. Yet if they cannot reciprocate it, it is as certain as death that the affection of their husbands will wane and disappear, and a loveless old age is one of the most miserable prospects a woman can have before her, even if it is not em-bittered by constant bickerings and quarrels; while in their youth they may be tempted to look elsewhere for that affection that they have failed to bring to and receive in their own homes. It is a frightful ordeal for those who have a high sense of honor and duty to have to spend their lives with men with whom ey have no taste: in common, and for whom they can feel no love or sympathy, and it is highly credible to both parties if under these circumstances home life is not a misery and both do not succumb to the temptation of going their own way.

Unfortunate Heiress and Coachman. Springfield Republican: Another marriage of an heiress to a coachman has resulted unnappily for all concerned. A vear or two ago Miss Josie Barnard, of Fall River, Mass., an heiress to thousands, astonished the public by marrying her grandmother's coachman, Phillip Scully. The marriage was kept quiet for a time, but when it leaked out Phillip and his fair young bride did not wait for an interview with the grandmother, but fled in a hurry to Providence. The husband did not find it easy to obtain employment in that city, and their slender stock of money was rapidly diminishing when a removal was made to Pawtucket. They removal was made to Pawtucket. They had on their arrival two trunks and seventy-cents in cash. With this sum they secured lodging at the Harris house. Being without money Mrs. Scully was obliged to appeal to Secretary Smith, of the overseers of the poor, for a ticket home. The ticket was purchased for Mrs. Scully, who bade her husband a tearful adieu previous to taking the train for Lowell. Her last words to him before taking the train were that she would entaking the train were that she would endeavor to reconcile her relatives to their marriage.

She Married the Man She Wanted Chicago Tribune: Miss Carrie Renniman, of Pleasant Valley, Pa., the sister of William J. Renniman, the leading merchant of the little town, is twenty-one years old, pretty, well-educated, and en-gaging. She had many admirers, but for some time past the chief rivals for her affections were Frederick Donnermuth, a book keeper for a coal company, and Patrick O'Brien, a stalwart young engineer. She seemed to treat both with equal cordiality and receive their atten-tions with equal favor until a few months ago, when her family strongly urged her to accept Donnermuth. Ther she yowed she loved O'Brien most, but finally acceded to the wishes of her family and consented to marry Donnermuth. The wedding was fixed for Wednesday last. Donnermuth prepared his house and everything was arranged. She appeared happy and satisfied, but Tuesday asked Donnermuth to take her to Scranton to buy some things. They went, and managing to escape from their escort in a crowded store, she met O'Brien at the railway station, and fled with him to New York where they were married.

A Heartless Bridegroom

ATLANTA, Ga, August 25 .- Daniel Miller was arrested here yesterday by Sheriff Waters of Cooke county, Tenn., for horse stealing. The case illustrates a woman's infatuation of an unworthy object. Near Newport, Cooke county, Tenn., there lived Mrs. Martha Waters, a handsome widow of four children, a home and \$2,000 in bank. Near by lived Dan Miller, a good-looking young man, aged twenty-two. Miller fell in love with the widow, or rather her money, and she was not unwilling to have a young cavalier for a husband. The couple were married and the bridegroom at ple were married and the bridegroom at once persuaded his wife to sell out her property and go west. The homestead was disposed of, and with the proceeds, the \$2,000 which had been in the bank, and four horses and a wagon, the young man, with his old but still blooming bride and four children, started towards Chattanooga. When thirty miles from Newport Miller stopped his wagon, and picking up his wife and four children,

'Now, go back home, all of you, and "Now, go back home, all of you, and be sure you get there—quick."

"Miller droye away rapidly, leaving his wife and stepchildren to get back home as best they could. After ten days of tramping they reached Newport. Sheriff Waters sent two deputies, Thomas and Redwine, to Chattaneoga to look for Miller. They found him and put him under arrest. The prisoner asked Thomas to go with him to collect some money due for work. The officer cousented. Miller rode a horse, the same horse he was riding when arrested, and horse he was riding when arrested, and Thomas rode a mule. When three miles from Chatanooga, Miller put spurs to his horse and galloped off, shouting as he rode away: "Now catch me if you can!" Thomas drew two revolvers and fired eleven shots after the fleeing prisoner, but failed to hit him. Miller then came

direct to Atlanta, where he was arrested on a description wired by the chief of of police of Chattanooga. While talk-ing to a reporter about his arrest, Miller said:

"I don't mind going to jail, but I hate "I don't mind going to jail, but I hate awfully to meet my wife. You see, she loved me a heap, and trusted me a great deal, and I just treated her like a dog. I hope that they won't let her come to the jail."

A Stanish Marriage By Proxy. Galveston News: Some time ago Jus-tice Spann was called upon to perform a marriage ceremony by proxy, the lady in this instance being married by proxy to her bethrothed in the City of Mexico. This is a custom neculiarly Spanish. Yesterday morning Justice Spann was buisly engaged in fixing up the papers for another proxy marriage, this time for a young Spaniard residing in Galveston, named Enrique Cayero Benturo, It appears that when he left the picturesque town of Corunna some years ago he left his heart in the keeping of Rosa Marcot Erandiz, of the same town, promising that he would either return in person to claim her as his bride or marry her by proxy and have her transported across the Atlantic. Judge Spann made out the necessary papers upon the young Spaniard's application and they will be forwarded to Corunna. Spain, where the marriage will be performed, the party acting as proxy having been already designated by the young Spaniard. After the marriage in this manner Rosa Marcot Erandiz will embark from Corunna for Galveston, where she will join her hus-band. Senor Benturo, when asked why he could not instruct his betrothed to sail for Galveston and marry her upon her arrival at this port, shrugged his shoulders, saying with a smile that such was the custom of his country, and that such an arrangement was far more satisfactory than the one suggested by the re-porter. Usually, he said, some personage of good social standing and who was a friend of the bride and groom was selected to act as the proxy, and the party accepting such a duly considered it quite an honor. When handed the necessary

## CONNUBIALITIES.

papers by Justice Spann he went away

smiling in a very happy manner.

Rev. Mr. Knott, of Chicago, has tied Miss Rope to Mr. Halter by a marriage ceremony. At Lawrence, Kansas, a marriage elementy.

At Lawrence, Kansas, a marriage license has been granted to Louis Todd aged eighty years, and Mrs. Harriet Shall, aged seventy-eight. Rev. John Dobbins, of Camden, N. J., has

made a large fortune marrying runaway couples from Pennslvania. He marries six or seven couples a day. Ben Butler sent a dozen silver spoons to the East Aurora (N. Y.) fair committee, to be presented to the young woman who is to be married on the opening day.

be inarried on the opening day.

A wealthy widow named Strachem recently made the trip from Australia to Buffalo, N. Y., to marry a man who made love to her unsuccessfully thirty-five years ago in St. Johns, New Brunswick.

Count Savorguan de Brazza. older brother of the explorer, will be married to Miss Cora Slocomb, of New Orleans, in October next. The bride-elect is a daughter of the late General Cuthbert, of the confederate service.

William Milan, a merchant of St. Joseph, Mo., has gone to Australia to marry a young lady whom he has never seen, but with whom the engagement was brought about by correspondence. The lady is a handsome heiress and Milan is also rich. heiress and Milan is also rich.

Oscar Vanderbilt, of the Prescott & Arizona railroad, said to be a nephew of the late W. H. Vanderbilt, was married to Miss M. E. Brooks, of New Albany, Indiana, in a sleeping car on the Santa Fe road near Wichita, Kan., one day this week.

The definition of "wedding" in the fashion vocabulary means a graud crisis of clothes; "bride," a peg on which finery of all kinds is hung; "bridegroom," a sober, black object following the bride, of no account in particular, and yet without whom there would be no fuss, and the fun could not go on.

Fully 5,000 people were assembled on the grounds of the Wisconsin Industrial associagrounds of the Wisconsin Industrial associa-tion last week to witness the marriage of Miss Mary Webb and J. Deresforth, of Anti-och, Ill. The ceremony was performed by Justice Hever. The crowd applauded en-thusiastically, and showed a disposition to kiss the bride, but she managed to avoid this part of the ceremony. Mr. and Mrs. Deres-ford received enough household goods as wedding presents to furnish their home.

Mrs. Susan L. Cotter, of New York, sues to recover a check for \$2,500, which disap-peared from the table soon after her mar-riage. The plaintiff was married to a son of Oliver Cotter, of Brooklyn, formerly active as a temperance agent. Her husband died a few months after their marriage. She alleges that her father-in-law gave her the check, which was left among other wedding presents on a table, and that it fell into the hands of Mrs. Ann Cotter, her mother-in-law, who

of Mrs. Ann Cotter, her mother-in-law, who refused to give it up.

Some months since Colonel Joseph S. Baughn, an Oglothorpe, Ga., bachelor, advertised for a wife. Colonel Baughn was deluged with letters from all over the United States. In fact, more than he could conveniently answer. In his goodness of heart he distributed several of these letters among his bachelor friends, who opened correspondence with the fair writers. At least three weddings will be the result of this correspondence, one being a handsome young merchant of Lexington, who opened correspondence with a South Carolina belle.

Worms That Eat Steele Bails. Cologne Gazette: The existence has just been discovered of a detestible mi-crobe which feeds upon iron with as much gluttony as the phylloxera upon the vine. Some time ago the greatest consternation existed among the neers employed on the railway at Hagen by the accidents occurring always at the same place, proving that some terrible defect must exist either in the material or the construction of the rails. German government directed an inquiry to be made, and a commission of surveilance to be formed for the purpose of maintaining constant watch at the spot where the accidents—one of them attended with loss of life—had occurred. It was not, however, until six months had elapsed that the surface of the rails appeared to be corroded, as if by acid, to the extent of 100 yards. The rail was taken up and broken, and it was literally hollowed out by a thin gray worm, to which the qualification of "railoverous" was assigned, and by which name it is to be classed in natural history. The worm is said to be two centimetres in length and of the size of a prong of a silver fork in circumference. It is of a light gray color, and on the head carries two little glands filled with a corrosive secretion which is ejected every ten minthe upon the iron. This liquid renders the iron soft and spongy, and of the color of rust, and it is then gradually devowered by the insect. "There is no exaggeration," says the official report of the commission, "in the assertion that this creature, for its kind, is one of the most voracious, for it has devoured thirty-six kilograms of rail in a fort-

night.' Don't irritate your lungs with a stubborn cough, when a pleasant and effective remedy may be found in Dr. J. H. McLean's Tar Wine Lung Baim. 25

threw them out into the road, exclaim- IN THE FUNNY MAN'S DOMAIN | the \_\_\_\_\_ record I ever knew any man ing:

An Irishman With a Very Remarkable THE BALLOON WOULDN'T GO.

> The Dying Umpire-They Bet on the Game-Rapid Progress-Warned in Time-Bits of Fun.

> > They Bet On the Game. Columbius Neios.

"Oh, how was the game?" was the anxious To a couple of men as they passed him by. One turned and smiled as he said, "Oh. fine!"
"Twas as good as a glass of the mellowest
wine!"

While the other said with a scowl and "The meanest game I have seen this year!" They passed along and the questioner said, As his fat sides shook and his face crew red "There are many men of many minds; There are many bets of many kinds; "But, though men and wagers disagree, The mind and purse are in sympathy,"

The Dying Umpire.

An umpire of the Northwestern league lay dying. It appears there was lack o tender usage, there was a dearth of friendly cheers, and a player stood beside him as his life's sands ebbed away, and bent with rapt attention to hear what he might say. The "croaking" umpire faltered as he took the player's paw, and said: "Old boy, I'm going, you'll miss my tuneful jaw. Say to your brother players who were once dear (?) friends of mine. 'If they check the man who runs the game, expect they must pay a fine.' Tell the pitcher of your base ball club (I think his name is Mike) that he can't expect each ball that's pitched to be declared a 'strike,' and he mustn't scowl and show his wrath or make display of gall, when the hired man behind the bat shouts forcibly, 'One ball!' And just whisper to your brother not to pause when ball is caught; such breaks as that will change his diction not a jot. Besides," he said (his glossy eyes were wet with tears of brine), "they cannot grum the said of ble if they get a reasonable fine. Tell your 'coacher,' who at first or third is wont to take his place, not to open up his fusilade until a man's on base; and, furthermore, if captain, I would warn him to desist, for he makes the people tired, and 'he never would be missed.' Tell the fellows that an umpire's only human, after all, and they can't expect him not to err sometimes in games of ball, and the only way we have to keep recalcitrants in line, is to sock it to 'em gently with a 'tenner' for a fine. Say to all the members of your club whene 'er disputes arise, bers of your club whene to be told diway we have to keep recalcitrants that it hurts one's feelings to be told di rect he lies, and, also to the fellows three who occupy the field, to hold their ground, because, be sure, the umpire will not yield. This wordy warfare only serves to cause delays in the game. You may hound the umpire most to death, but he'll 'get there just the same,' and he'll make cold shivers 'chassez' up and down each kicker's spine, by passing round among you a souvenir in fine. Tell the monthly men, who make remarks while seated in the stand, that their witticisms are chestnuts, and at no time in demand; that umpires cannot always rule in favor of their team cannot always rule in lavor of their team however strange or startling this assertion may seem, and crries of 'Rats!' and 'Put 'em out' and 'Umpire, how is that?' disgust all lovers of the game—are silly, stale and flat. Such people should in dungeons be, and there be made repine, for an umpire cannot reach them with his

the umpire gets a there's no more need for fine." Turned Over a New Leaf. 'Twas a six-dollar tile, to be brief,
But a fat party brought it to grief;
For she sat on it flat,
What he said after that
We'd repeat, but we've turned a new leaf.

A Momentous Event. Washington Critic. What is that sounds, so deep and strong, That seems the skies to burst? What great event so moves the throng?-

McGinnis is out at first. Popular Superstitions. It is good luck

To find \$5. To back the winning horse.

To marry a girl with a million. To open a jack-pot on four aces. To be out when a man with a bill calls. To have a blue-eyed girl speak to you on the street, if she is pretty. To see the new moon over your right

shoulder and have \$50 in your pocket. Brought to His Sneeze. He would not say the words, although
She did her best to please;
So she cave him a pinch of old Scoth snuff— And brought him to his sneeze.

A Pitiful Case. Detroit Free Press: First confidence man-How did you make it down in Kan-Second ditto-I lost all the money I took with me.
First ditto-How? Policeman grab you? Second ditto -No. a real estate agent

got hold of me. Shoos The Hen. Jones, he keeps a blacksmith shop, His wife a poultry pen; Jones, he shoes the horses And his wife she shoos the hen,

Sentiment Versus Business. New York Sun: Young Man-I cannot

understand, sir, why you permit your daughter to sue me for breach of promise. . You remember you were bitterly opposed to our engagement because I wasn't good enough for her and would disgrace the family.
Old Man—Young man, that was sentiment; this is business.

Warned Just in Time.
Railway Register: "Conductor," said a man who, from his appearance was without doubt a clergyman, "I have a complaint to make. There are a couple of men in the rear coach playing a god-less game called poker. One, I am sure, is fleering the other, who seems to have plenty of money. Won't you take some action in the matter?" "How long they been playing?"

"About an hour."
"An hour. Why the devil didn't you tell me sooner? Here, Jim," to the brakeman, "you take tickets while I drop back into that game. If there's any money to be made out of suckers on this run, just count me in:"

There's Lots of Them. St. Paul Globe: It was Judge Mc-Mahon, quite well known in the state, and especially in Olmsted county, who, one fine morning, met Sam Whitten, another state character. Said the

judge: "What's your nationality, Sam?" "Irish!"

"And what church do you belong

to? "Methodist!"
"And what party?"

"Republican!"
"Well," commented the judge, "that's "Well," commented the judge, "that's "Bull-large K.F. Bull-large Super. Jacksonville in

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a republican. New Haven News: Uncle John-Why, my girl, you've grown like a cucumber vine! What progress are you making towards matrimony? Clara-Well, uncle, I'm on my fifth

EDUCATIONAL

Prof. J. M. Hoppin, of Yale, is going to-Europe for six months to study art. The Louisville High school has opened a post-graduate course for young women in type-writing and stenography.

post-graduate course for young women in type-writing and stenography.

General John G. Parke, of the engineer corps, will leave shortly for West Point, to assume the duties of the superintendent of the Military academy.

There is nothing in England comparing with the technical college of Zurich, and Germany has established a \$3,500,000 foundation for a technical college at Strasburg.

The United States is doing almost no thing, comparatively, in the way of promotin interest in technical education and scientific mechanics, though behind other nations in relative manufacturing advancement, and ahead of all in manufacturing resources.

No one scems to be able to say precisely what the new education is. It seems to be rather an attitude—a tendency—than a delinite principle or set of principles. Still all its advocates would agree in cartain general postulates. They would all hold that no study is valuable that does not develop power; that the cultivation of memory should be made subservient to the cultivation of the higher faculties of the mind; that instruction should be adapted to the condition of the pupil and not to the wants of the future man: that greater stress should be laid on the natural sciences and on the modern languages and literature, and less on the languages and literatures of Greece and Rome; that the curricula of our schools ingeneral require readjustment; that industrial training should form a part of the education of women is as imperatively necessary as that of man; that teachers need specific professional training.

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an umpire cannot reach them with his customary fine. I'm going now, old fellow; I think I've told you all the things that umpires most detest, while refereeing ball. I've done my best to satisfy the patrons of the game, and if I erred in judgment, sure my heart was not to blame. I've only this request to make when I am laid away, that you'll think of what I told you in the games you'll often play. Soon I'll quit this sphere of sorrow for a land that's more divine, where the umpire gets a square shake, and the special properties of the square shake, and the square shake square shake, and the square shake square sh orth from \$1 to \$2.....

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