Edison Has Device to Utilize Wasted Energy in Coal.

paratus Consists of a Chamber Within a Chamber-By Its Use Bearly All of the Emergy Stored im Coal la Saved.

Thomas A. Edison is perfecting a device for utilizing all, or nearly all, yed the energy stored in coal. It is a matter of common knowledge that is all but about ten per cent. of this envergy is now lost-goes up the chimmey in smoke and gases. The device consists of two chambers, one inclos-Ang the other. An outer chamber. 36 Inches high and \$4 inches in diameter, has been used for experiments; the diameter of the inner chamber, in which coal is burned, is two inches less. The heat is applied to the air in the outer chamber from the combusstion of coal in the inner, and when heated to a temperature of about 450 degrees its expansive power is more When doubled.

Mr. Edison has been experimenting with this new contrivance, both at his smines at Edison, N. J., and at his Inhoratory at West Orange. At Edison he has been operating three steam drills with it and at West Orange an engine. The steam drills have been worked satisfactorily, and the engine ran batter than with steam. The size of the apparatus may vary. That for inse on a street car need be no more than 15 inches in dismeter and easily portable. The invention may be utilused on the compressed air cars of er this city.

## COVETS GOULD'S YACHT.

Nanosuela, It is Reported, May Socure the Famous At-

alanta.

Venesuels and not Colombia may mecure Jay Gould's old steam yacht \*:Atalanta, according to a report permistently circulated during the last New days. Colombia negotiated for the vessel last summer and the transmetion was said to be closed, the puschase price, according to the contract, being named as \$120,000. Before matters came to a head.

werer, but after half of the pur whase price had been paid, there was a revolution in Colombia, President Banclemente being deposed and superseded by Vice President Marroquia. It was said that the Colombian government intended to use the yacht to enforce the payment of indemnities by Venezuela, claimed because of aid given to the insurgents by Venezuelmas. Colombia's option on the yacht expired about a month ago, and she still lies at the Eric basin, where she was taken to receive her armament when the question of converting her into a cruiser was first mooted. No DWever, were ever ninced board of her except her saluting can-

#### THINKS PRARY HAS PAILED. Mivelyn Baldwin Believes Explorers

Dash for the Pole Is Checked.

Elvelyn Baldwin, who is in charge of the Baldwin-Ziegler expedition that is to start out in 1901 in search of the morth pole, stopped in Boston on his way to Nova Scotis. In speaking of the report from Edinburgh that the Scotch whaler Eclipse had returned to Dundee with members of the Stein pedition to Elismere land, Mr. Baldwin said that if it were true that Lieut. Peary did not get under way from the headquarters at Etah until last Amgrust it would seem to show that again he had been hampered in his efforts So reach Port Conger in time to make a dash for the port early next spring. Mr. Baldwin thinks that Peary will remain during the coming winter at Port Conger and make the effort in the spring and summer of 1901.

"We are left to surmise what has become of the Fram," said Mr. Baldwin. "It seems singular no news has come from Capt. Sverdrup. I consider, howsoever, that there is no cause to be overmaxious concerning the safety of either Lieut. Peary, Capt. Sverdrup or the Windward."

#### BIG ALASKA WIRE READY. Military Telegraph Line Now Completed to International

Border. Gen. Greeley, chief signal officer, has received a dispatch saying that the military telegraph line has been completed from Port Egbert, or Eagle City, Alaska, to the international boundary line near Dawson. The Caanadian line extends from the boundary to Dawson and from that city

mouthward to Skagaway. There is a gap of about 35 mailes in the line from Dawson to Quesnelle and the Canadian company is considering the advisability of covering this line by couriers during the winter. The building of the line had to be abandoned on account of severe

meather. As the line reaches Skagaway it is within three days' sail of the telegraph office at Victoria, and this brings the troops of the United States at Fort Egbert within telegraphic communication with the war department at Washington save the three days' delay.

#### Johannesburg Gold Mines, Gold mines at Johannesburg are not In as bad condition as was anticipated.

As a rule, there has not been much, if any, destruction of property, and in nearly all cases the mines could be sput in producing condition within a month after work is fairly resumed.

#### TEST OF WARNING LIGHTS.

Covernment Seeking to Obtain a Lamp That Will Throw a Beam Many Miles to Sea.

Tests are now in progress in Washington of storm warning lights to be placed on the new signal towers recently authorized by congress to be eatablished in the principal harbors of the country. A large number of makes of light have been submitted for adoption and are now under consideration. It is planned to test the power of the respective lights from the tower of the postal officials. The object aimed at is to increase the carrying capacity of the lights. While the present maximum is about five or six miles it is hoped to reach a distance of 12 miles at sea with the new oil lamps, and 15 to 18 miles with the electric lights in ordinary weather. Makers of lamps in this country and Europe have entered into the competition, which is now closed, for equipping the 300 stations contemplated. American makers have protested against the award of the contract to the foreign manufacturers, and Chief Moore, of the weather bureau, has decided that preference will be given to the American bidders unless the European lens greatly exceeds in power the American lamp.

#### COLORED JEWELS GAIN FAVOR

World of Pashion in Paris Decrees Their Return to Popularity.

Co. red precious stones which at one time were sacrificed to diamonds and pearls have now found favor in the world of fashion at Paris. Even coral, which for a long time was neglected, is regaining its rank as an article of adornment, together with those oldfashioned stones, the topaz, the ame-

thyst, the opal and the chrystalite. Naturally the ruby, the emerald and the sapphire retain their favorite place among jewels of price. Their cut and setting show infinite variety. They are worn not only as necklaces, brooches or pendants, but also on chains, belts, corseleta, ringa, and on high, enormous colffures, almost like a tiara re-

splendent in shimmering colors. This revel of precious stones, with an unprecedentedly lavish use of costly furs-sables, blue fox, black fox and silver fox-in wide cloaks, a la dogaresse, or long coats reaching to the ground, together form the distinctive features of the winter's costly feminin-

#### POOR PAY FOR NOBLE SCION.

Son of Wealthy English Duke Earns Four Dollars Per Week as Planlet at Besten Motel.

Arthur Hussey, youngest son of the duke of Hamilton, nephew of the marquis of Queensberry, brother-in-law of one of Queen Victoria's most famous soldiers, is a pismist in one of Boston's hotels.

But a few months ago he had patrimony of \$2,000,000. Now he receives \$4 a week for playing the piano in a hotel cafe. There he site every night, his fingers mechanically seeking the keys to accompany a cornet and violin. Far away across the ocean are great estates and manors of royalty. It is thought that more patrimony will come to succor the apparently impoverished mebleman.

Too proud to let his position become known to the royal family and s rugged independence preventing him from soliciting the aid of friends here, he keeps his own counsel, stands aloof from former associations and simply waits.

### HISTORIC CHURCH IN DANGER.

Edifice Which Gave the Idea of the American Flag Needs Repairs.

Holy Trinity church, situated close to the Tower of London, in which is the tomb of one of Washington's ancestors, bearing a coat of arms, which is supposed to be the origin of the stars and stripes, is threatened with destruction, unless £200 is subscribed for its repair. What makes the church of interest to Americans is the tablet erected to the memory of Col. Legge, who married Elizabeth Washington. who died in 1670. This tablet is surmounted by the Washington arms, consisting of five alternating bars of red and white, above which are five-pointed red stars. These, it is said, suggested to George Washington the American national flag.

### NEW MODE OF ANAESTHESIA.

Done by Injection Near Spine-Eau Claire Physician One of the First to Use It,

The new method of anaesthesia for operating below the diaphragm, consisting of injection of cocaine into the lumbar portion of the spinal column, being a substitution for general anaesthesia, leaving the patient fully conscious, minimizing the shock, and leaving no injurious after effects, has been successfully used at Eau Claire, Wis., in the last two weeks for six delicate operations by a leading physician. This method was not used in the United States prior to August 19 last, and has been used nowhere in the northwest except in Eau Claire, and in Chicago, where it was initiated by Dr. Murphy.

Porty-Mile Ride for a Penny, The Russian government has deeided upon the introduction of specially cheap fares upon the Trans-Siberian railway in order to encourage emigration to the country. A ticket from Russia to Tobolsk only costs a little over one dollar, and from Tobolsk to any station whatever in Siberia the fare is only nine shillings. Thus the tripper can cover about 6,000 miles for between three and four dollars.

### WANTS LAW CHANGED

Gerbin Claims Unjust Discrimination Against West Pointers.

Balisted Men Eligible to Promotion to Commissions After Two Years -West Pointers Are Ubliged to Serve Four Years.

Adjt. Gen. Corbin, according to a New York Tribune special from Washington, has started a movement to induce congress to remove from the statute books a law that makes an unjust discrimination against West Pointers in the army. It is almost inexplicable, the adjutant says, that such legislation should ever have been enacted or have remained in force for 12 years as that which favors the promotion of enlisted men to commissions above the young mea specially educated at government expense to fill commands.

In his current annual report Gen. Corbin devotes considerable space to the act of June 18 1878, which provided for the promotion to the grade of commissioned officer of meritorious non-commissioned officers who shall be found morally, intellectually and physically qualified for promotion, and the act of July 30, 1892, which extends to all unmarried soldiers under 30 years and possessing the requisite qualifications the privilege of competing at prescribed examinations for commissions.

That the law operated well in attracting to the ranks a superior class of intelligent young men was demonstrated by the yearly increasing number who obtained admission into the commissioned branch of the army. There were six in 1893, and 68 in 1900. These men were compelled to serve in the ranks only two years under the law, and, calling attention to this fact, Gen. Corbin says: "Experience has shown that two years is too brief a period in which enlisted men can fit themselves for the important duties of commissioned officers. It is only little less than travesty to see that a man can qualify as an offices by serving as an enlisted man in onehalf the time required for a cadet to complete his course at West Point. 26 is recommended that the law be amended to read four years instead of two. This will put appointments from the ranks and the military academy on the same footing."

#### KAISER HAS A NEW BARBER.

Dismisses His Former Attendant Because of Undue Pu-25.2 miliarity.

Emperer William's barber, Francols Haby, the inventor of his majesty's style of mustache, recently ventured to remark: "What does your majesty think of

China?" This so ruffled the emperor's tem-

per that, taking Haby by the ear, he escorted the barber from his chamber. The incident has been laughed at throughout Berlin. Apparently Francois Haby has re-

turned to grace only to be again cast down, for it was announced May 10 last that it was frequently remarked during the then recent festivities that his majesty's mustache was no longer "turned upward so fiercely as formerly, but worn at an angle of 45 degrees only. with the ends no longer spreading out proudly."

It was added that it was a fact that the emperor had abandoned his former fashion of wearing his mustache, although all male Germany adhered to it, one reason being the dismissal of Haby, who had "become impudent and had presumed to trade upon his alleged friendly relations with the emperor."

### PLAN TO REMOVE THE MAINE.

Objections Made to the Use of Dynas mite-Coffer Dam to Be Built.

Captain of the Port Young has asked the government to refuse any and all proposals looking to the removal of the wreck of the United States battleship Maine by explosives. Last year three firms offered to remove the hull of the battleship in return for the material. but there has always been a strong objection to the use of dynamite, because of the probability that there are portions of bodies still in the wreck, and the authorities shrink from the idea of desecration.

A scheme has been submitted involving the construction of a coffer dam, the pumping out of the water and taking of the wreck apart in pieces; and work on this line will probably begin next month.

An Alpine Garden, At Schachensee, in the Bavarian Alns.

at an elevation of 1,500 meters, an Alpine garden has been laid out and planted by a foreman of the Munich Botanical garden. The plan and outline of the work were furnished by Prof. Gobel. The land is the property of the crown. It is intended next year to build a blockhouse and furnish it with the necessary comforts for the was of scientific visitors. Alpine gardens already exist near Innsbrucck, in the Dauphiny, in Italy, and on the Maritime Alps. This Bavarian garden will be the means of rescuing the finest Alpine plants from destruction.

Canning Mont in China. Just before the outbreak of the present troubles a canning factory was established at Chin-Kinng, the intention being to supply European markets with tinned meats, more pecially game and wild fewl. The swaply of wild fowl, at a ridiculously small price, is practically unlimited in that part of the estestial empire.

#### KNOCKS A HORSE DOWN.

W. R. Vanderhilt's Auto in Collision with Fish Wagon-Promises Driver New Mores.

William K. Vanderbilt, Jr., had a narrow escape from serious injury the other afternoon in a collision with a fish wagon. He was making his way west through Fifty-first stret, bound for a spin up the road. He had just reached Fifth avenue when a strong gust of wind swept up the street, and, catching the light locomobile, simost lifted it off its wheels.

At this moment John Lullman, of 108 East Eighty-second street, drove down the avenue in a fish wagon.

Mr. Vanderbilt struggled to get his locomobile clear of the wagon, but he could not manage it, and he ran into the horse, sending the animal to the pavement.

The locomobile was instantly stopped and Mr. Vanderbilt quickly jumped out.

"I am sorry," he said, apologetically to the driver. "It was my fault. Here is my card. If you want another horse call at my house and I'll get one for you."

Luliman at first was inclined to say unpleasant things, but when he read the name on the card a look of blank astonishment apread over his countenance.

"That's all right, Mr. Vanderbilt," he stammered. "I don't think the nag's much hurt. Just a little bit scraped on the legs. But I'll tell the boss. He knows you're good for a horse, I guess."

#### M'KINLEY TO GET BIG TURKEY

Rhode Island Man Scouring State for Bird for President's Thanks-... ziving Day Dinner.

For a number of years the table of the president of the United States has been annually graced Thanksgiving day by a big Rhode Island turkey. Somewhere in the southern part of the commonwealth there is to-day a handsome specimen of this famous breed of bird strutting about the farmyard in the pride of its 35 pounds which a few days before the national holiday will be decapitated, carefully dressed, and dispatched to the white house for President McKinley's dinner.

The late Senator Anthony, of Rhode sland, sent the first Rhode Island turkey to a president, and after his death the late Senator Nathan F. Nixon continued the custom. Since Senator Dixon's death Horace Vose has annually sent to the white house at Thanksgiving the handsomest bird of the species he could find within the borders of the state. The biggest one ever presented to a president was given to President Grant. It tipped the scales at 38 pounds.

### PLANS "IDEAL" NEWSPAPER.

Parkburst Behind Movement to Reto Toll the Truth.

Dr. Parkhurst declares that men of riches have under consideration the establishment in New York city of "an ideal" newspaper. He declares that an endowed theater is also a possibility for New York. "At the present time." be is quoted as saying, "there are those who are anxiously considering the matter of establishing a journal for the purpose of telling the truth and sufficiently capitalising it so that it will have no trouble in telling the truth. In a certain respect the newspapers are like our theaters. It has come to be a fact in the city of New York-I have it from those who are constant attendants at the theaters—that a theater, as a rule, cannot be-made to pay unless there is more or less of that in it which is objectionable. The only way in which a first-class theater can be maintained is by its being endowed. Now the same words apply to the average newspaper. The papers now are run on a business plan. They are not leading the public. Some papers are run for political ends, because with them politics is going to put money into the till."

### WILL REVOLUTIONIZE LONDON.

Plans Network of Suburban Electric Lines with Groups of Low-Rent Houses.

Charles Yerkes' plan of a comprehensive system of underground railways in London is the first deliberate effort to grapple with the housing programme of the English metropolis, and if he can succeed in his dream he will revolutionize the life of London and earn the audying gratitude of British

His idea is to have a complete network of lines radiating north, south, east and west to considerable distances from the heart of the metropolis, and then to have workmen's cottages built in healthy districts served by railways. This is a tremendous scheme, but Mr. Yerkes is also said to be interested in a scheme for cutting a ship canal from Southampton to London, a distance of just 80 miles.

German Owners of Forest. The royal Prussian family is the largest owner of forest tracts in Germany. Its property consists of not less than 186,200 acres. The southern branch of the Hohenzollerns owns a tract of 136,000 acres. The prince of Stolberg-Wernigerode owns forest covering 119,000 acres. The timber lands of the prince of Pless comprise 104.000 встев.

Alllowing for Superstitions Fear. On the big steamer Oceanic there is no seat at table marked No. 13, nor any cabin bearing that number. This is a concession to superstition.

No Tramps in New Zealand. New Zealand is practically free from the plague of tramps.

### WALES DROPS CREASE

Latest Photograph of Prince Brings Anguish to Society Men.

Ardent Followers of England's Male Fashion Plate Learn That He Mas Abandoned Trousers with a Crease,

The fact that the prince of Wales does not crease his trousers, and that he has not done so for months, perhaps years, will be an awful shock to fashionable New York.

The startling news reached New York the other day. It did not come over the cable nor by word of mouth. It came in a more reliable form-in that of a photograph of the prince, showing that his trousers are absolutely creaseless.

It is not accidental, either. Inspection of the photograph shows that the trousers never were creased. The whole thing is deliberate. The prince has stopped sending his trousers to be presued.

And he didn't tell New York society anything about it. Men who have been going about New York for the past few months with trousers bagging at the knees and have been sneered at for their pains by the "awell dressers" are now fully vindi-

There will be a scurrying by "swell dressers" to take the crease from their "pants." This, a tailor says, can be done easily by soaking the garments for half an hour in the washtub and then hanging them on the line to dry.

When they are dry they will look like those the prince wears in the picture.

While the prince has gone back to unironed trousers, President McKinley been't.

The "first gentleman of America" has his pressed every morning by his private accretary or some one else before he puts them on.

The crease is a most emphatic one. It is made with a very heavy flatiron wielded by a man with a large bicepa, who must work for many minutes developing the crease.

It now devolves upon New York dudedom to say which leader it will follow-the prince or the president

#### MEDAL FOR PROFESSOR STARR Queen Wilhelmina of Molland Honors

Savant of the Chicago University.

Prof. Frederick Starr, head professor of anthropology at the University of Chicago, has the distinction of receiving the silver medal awarded by the Netherlands government. Prof. Starr has been liberal in his donations to the national scientific and artistic collections of Holland, among his gifts being his own set of valuable works on the Indian tribes of Mossion. The medal was received from J. R. Planten, of New York, consulgeneral of the Netherlands, who forwarded it in behalf of Queen Wilhel-

The medal is heavy and is beautifully engraved. On the obverse side are the words: "For distinguished services, to Prof. Frederick Starr." The reverse shows the head of Queen Wilhelmina. The medal is suspended from a ribbon of silk.

Prof. Starr has been the recipient of many congratulations from his colleagues of the faculty.

### WILL HUNT FOR THE POLE.

William M. Brewer of Yale Will Accompany the Baldwin Expedition.

William H. Brewer, chief of the department of agriculture at Yale college, will accompany Evelyn P. Baldwin, of New York, in his search for the north pole. Prof. Brewer will be first assistant to Mr. Baldwin. William Zeigler, the wealthy Brooklyn merchant, will pay the expenses of the exploration.

Mr. Baldwin came to New Haven the other day to confer with Prof. Brewer relative to the expedition. Prof. Brewer has had experience in exploration, having had charge of the researches made in Alaska a year ago by E. H. Harriman,

Prof. Brewer said, in speaking of the proposed trip, that the idea of professors of leading American universities trying to reach the north pole in an expedition is a unique one and he is confident it will succeed.

As She la Spoke in China. The Chinese, if they have mastered the mysteries of the laundry, have not yet surmounted the more serious difficulties\_presented by the English tongue. The following neat little circular has been sent round to prospective English customers in Hong-Kong by a firm just starting business: "Ladies and Gentlemen: We, the washer of every kind of clothes, blankets, and so on; newly established the company and engaged the business. Contrary to our opposite company we will most cleanly and carefully wash our customers with possible cheap prices. With your wages we will work the business."

### Strained Relations.

Tod Sloan has been discharged by the prince of Wales, but, says the Chicago Times-Herald, it is thought the diplomatists at Washington will succeed in bridging the matter over without permitting serious international complications to rise.

Up to the Game.

Keen business ability was shown by the train robber, says the Kansas City Times, who forced the sleeping car porter to collect from the passengers for him.

### FAVORS MARCONI SYSTEM.

Special Commission in Great Britain to tree the Adoption of Wireleas Telegraphy.

A revolution-but one which would undoubtedly be welcomed-looks like coming to pass in the near future. It is no less than revolution of the tele-

graphic arrangements. For a long time people have quite lost sight of or forgotten the fact that a departmental commission has been appointed to consider the question of wireless telegraphy, but now it is understood the commission will very shortly report favorably and recommend the general adoption of the system in the British isles by the

postal authorities. Though nothing has been officially announced, it is not denied that the extraordinary success of the experiments which have been carried on during the last week on board the steamer Princess Clementine, crossing the channel between Dover and Ostend, has hastened the determination of the commission and proved to it that wireless telegraphy is quite ready for use in serious earnest.

There are, of course, many things to be considered, one being the question of government monopoly, but the commission is about to suggest to Mr. Marconi the terms on which the patents may be acquired.

Mr. Marconi recognizes the difficulties in the way of arranging details but he is anxious to cooperate with the commission in every way in order to expedite matters.

OPPOSES SUBMARINE CRAFT. Torpedo Boat Builder Thornycroft.

of England, Says It is of

Little Une.

Mr. Thornyeroft, England's torpede boat builder, has been expressing interesting opinions on submarine boats. He does not believe it necessary for fireat Britain to build submarine boats, even if the experiments of other nations have been quite successful. He is carefully studying the problem of devising a submarine destroyer should it ever be necessary. He regards the American submarine boat as the best type yet made. But he

doubts its efficacy, even for harbor

"A shell dropped in the neighborbood of a submarine boat," said Mr. Thornycroft, "and exploded either level or below it would afford sufficient shock to crumple up the boat. Possession of a submarine boat of your own will not help you to find an enemy's. They are at present of too limited range and insufficient propelling power to be really a serious factor and the unsatisfied problem of keeping a level keel under water is yes to be solved. If I ever have to go under water with a submanine boat I will prefer to sit outside."

spite of the pessimistic opinion of Mr. Thornycroft the British admiralty has at last decided to grant a submarine boat designed by J. E. Howard, of Tasmania, an official trial.

FACTORY GIRL WEDS RICHES.

Son of Connecticut Millionaire Marries a Bridgeport Mill Operative,

Joseph Buckingham Canfield, son of H. O. Canfield, the wealthy owner of the Canfield Rubber works, has chosen as his bride Miss Maie Kathryn Donnell, who until recently worked hardfor her living in the factory of Burns, Silver & Co., at Bridgeport, Conn. The fashionable set in which Canfield moves is shocked, but the young people are not troubled. Mr. Canfield, Sr., was seriously disturbed at first, but the young man took Miss Donnell to him house and introduced her to his parents. She won them instantly and Mr. Canfield told his son he could have made no better choice.

Miss Donnell is 24 years old and a beautiful brunette. She was left an orphan one year ago and promptly began to make her own living. She and young Cunfield met one day as she was on her way to the mill and the next day he sought an introduction. Soon his friends of the exclusive Sesside club were dumfounded to see him driving out with the factory girl in his carriage. They joked with him for a time, but soon saw that he was too serious to be trifled with.

### SHEEP IN EAGLE'S TALONS.

Bird's Efforts to Get Away with Ite Prey In Frantrated-Fail to Bag the Engle.

While R. M. Dotson, an oil man, was driving from the oil field west of Lima, O., the other afternoon, he noticed a commotion among a flock of sheep on the Coon farm. He stopped to investigate and was surprised to see a large gray eagle with its claws fastened in the back of a sheep, with which it was trying to fly away.

Mr. Dotson, who was unarmed, hastened to Coon's house, secured as gun and returned with Coon. Just as they got near enough to the eagle to shoot the bird released its hold on the sheep and started to fly away. Dotson took a shot and the bird was alightly wounded, but continued its flight. The sheep was found dead and several others were wounded.

Mr. Dotson says the eagle measured fully ten feet from tip to tip. This is the first eagle seen in this section of the country for many years.

All in the Interest of Science, Prof. Emil Yung, of Geneva, Switzsrland, has counted the ants in five mests. Their numbers were 53,018, 67,-470, 12,933, 93,694 and 47,528.

Plowers in London. Florists aver that London expends. \$25,000 a day upon cut flowers.

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