

Since the news of the surrender of Santiago was signaled to Admiral or left, up or down, or swung in cir-Sampson by the hellograph, that device has become a more popular consideration in a prominent and interesting way. From time immemorial there has existed with all nations some system of communication by sight or tem was there in general vogue. It sound. In this country it dates back was the heliograph which caused the to the aborigines, who made use of a surrender of the terrible Apache chief, method involving the waving of a Geronimo. When he was corralled in blanket to obscure fire or smoke at some hundreds of square miles of Arilong and short intervals. From this zona desert, a signal service station crude system of the red man there has was placed at every watering place. evolved by slow stages the perfect The flashes gave warning whenever the hellograph code of to-day, whereby thirsty remnant of the once powerful flashes of sunlight are sent scores of band approached any of the springs. miles by the Morse system of telegra. Finding that he would die of thirst unphy, conveying messages from one body less he made a hopeless attack upon the of troops to another; or from headquarters to a detachment in the field. In parley and to final surrender. The the larger cities, of late years, when there is a street parade and the na- both land and sea forces during the tional guard turns out, spectators have Cuban war, is one of the most interest noticed a peculiar detachment of troops ing and important features of that following in the wake of each regiment | campaign. Everywhere the heliograph men with crossed flags on their and the wig-wag system of flags were deeves, long leather-bound cases like in use, and the signal corps were in gun cases under their arms, and other fluential in hastening the course of unfamiliar paraphernalia. These men many events upon which hung the constitute the "signal corps," and this destinies of army and fleet. branch of the service is now on a plane

with the costly regular army. The heliograph, or sun glass, is the

and can clogdance to the dots and dashes of the Morse alphabet. During the war of the rebellion signalling was mainly done by flags. The code was cumbersome then, the bellograph unknown. Yet the signal corps was an effective aid to every division of the army. Grant signalled the orders that concentrated the brigades below Vicksburg, and in the later battle of Lookout Mountain, the famous "battle above the clouds," accurate information of the enemy's position was waved from cliff to valley headquarters, and from tree to riverside. General Albert J. Meyer was the father of the army sig-

as to code-are still followed.

cles, conveys a definite message

troops, the chief at last consented to a

effectiveness of the signal system with

London. It boasts a large church that is an imitation of St. Paul's cathedral, The original Banbury cross was, un- A Porter's Vigil Over Wealth of a ortunately, destroyed by the Puritans at the Reformation. A steeple type of

Martyrs' Memorial at Oxford, now congratulating himself that he fell in marks the place where it stood. The with an honest man when he boarded fine lady of the nursery jingle is an al- the Santa Fe limited at Albuquerque Iusion to the habit of the "old woman last Thursday on his journey east. He of Banbury," known also as the "witch is manager for his own valuable propof the white horse." Like the cross, erty there and also looks after the inshe has long since disappeared, but her terests of several nonresident syndimemory is kept green by the procession cates and handles large quantities of in the town at royal jubilees, occasions cash all the time. of rare occurrence, except in recent

years under the present happy reign, FATHER OF PENNY POSTAGE.

J. Henniker Heaton, M. P., Receiving Great Praise for His Work. J. Henniker Heaton, M. P., the father

nal service, and his principles-save of the imperial penny postage in the British Empire, is receiving no end of The flag code now is very complete, praise for his work, especially from the and every move of the red flag to right colonists. He has been in Parliament many years, and has made himself imto mensely popular by his labors for a refield-glasses far away. During the Induction of the letter postage which is dian wars out West signalling was an almost international. Perhaps Mr. important feature of an erratic and dif-Heaton was not altogether disinterestfleult warfare. The far-distance sysed in the scheme, for he is the proprietor of one of the largest newspaper



J. HENNIKER BEATON.

properties in Australia. At the same them to the porter and then rolled into millions of her majesty's subjects who write letters to friends beyond the seas.

Duties of a Landsmen.

An uptown drug clerk desired to en- fect on Christmas day, and is only one greatest of modern improvements in the list in the United States navy. He was of its author's schemes for postal re-

SAT UP WITH \$100,000.

Mexican Mining King.

C. P. Wheeler, the mining king of structure, something on the lines of the Humulco, Mexico, has much cause for

When he was shown his berth in the sleeper Aestes, in charge of Conductor Breed of Chicago and Porter W. H. Hubbell of Kansas City, he informed the porter that he intended to surrender himself wholly to his care and wanted all the attention that was required. Mr. Hubbell has been in the Pullman service long enough to know exactly what was required and he stowed the mining king away snugly in his berth.

Prior to falling asleep Mr. Wheeler called Porter Hubbell to him and said he had some cash he wanted to turn over for safekeeping. Mr. Hubbell declined to take it, but declinations don't go with the mining king and he simply called the porter to him and loaded him

up with his valuables. He reached down in his bootleg and pulled out a roll of new bills and handed them to the porter with the injunction to take care of it during the night. Mr. Hubbell would not take it except that it was witnessed and Conductor Breed and N. J. Aldrich, of Aurora, Ill., and

A. M. Mowry, of Chicago, witnessed the acceptance of the trust. There ed Governor of Pennsylvania, took the were bills of \$1,000 denomination in the oath of office and assumed the reins roll. When he saw the amount Mr. of State government there entered the Hubbell said he was going to back out executive mansion at Harrisburg a right there.

"just take the rest of it," and he flashed out of his pockets a dozen drafts and a letter of credit for sums aggregating more than \$100,000 more and handed

time he is receiving the blessings of his berth and quietly went to sleep. All that night Mr. Hubbell sat in the opposite berth watching the slumber of the miner. Not once did he let his eyes close in sleep nor did he take the roll out of his hand all night.

The next morning the miner awoke and, without the slightest air of surprise, had his fortune returned to him. He took it as a simple matter and promised to reward the porter for his kindness, and Friday night, when the

train reached Kansas City, Mr. Hubbell was called to the berth and the miner dropped into his hand two \$20 gold coins. It was a tip that was so liberal the porter was astonished, but the miner made it still better by presenting him with a miner's heavy overcoat, a creation that is made to weather any experiences the winter in the mountains may bring. Mr. Hubbell arrived from his run yes-

terday. He said he had never encountered such an experience before, although he has had years of experience in the service. He admitted he was delighted to get rid of the cash and heaved a sigh of relief when it was safely returned and the big miner tucked it snugly away down in his capacious bootleg.

"I've had lots of tips and seen plenty of money, but it makes a man feel queer to have \$31,000 in clean new bills in his possession, and the owner sound asleep all the time," he declared. "I

ECONOMIC COMMISSION FOR UNCLE SAM'S COLONIES.



The new colonial commission, which is to have general supervision of the affairs of the Philippines, Porto Rice and Cuba, composed of three men from the three States of Ohio, Michigan and Massachusetts. Gen. Robert Patterson Kennedy is the former Congressman from the Eighth District of Ohio. He served in the armies of West Virginia, the Potomae, the Cumberland and the Shenandoah. When he was musticed out he returned to his home at Bellefontaine and became a lawyer. He was internal revenue collector in 1878 and lieutenant governor of Ohio in 1885. He is prominent as a jurist in Ohio. Charles W. Watkins, of Grand Rapids, Mich., has been long well known to Secretary Alger, who feels he can rely implicitly on the sound judgment of the colonial commissioner from Michigan, as well as on that of the two other gentlemen who make up its personnel. The third member of the commission, Lieut, Col. Curtis Guild Jr., of Boston, is engaged in Cuba as inspector general on the staff of Gen. Lee. Col. Guild is a son of the editor of the Boston Commercial Bulletin and is well known in Massachusetts.

The commission's headquarters will be located in Washington. The peculiar functions of the commission will be more economic than political. They will concern the granting of franchises, the supervision of public works and of engineering enterprises, which are now rapidly multiplying in the new territories, with a promise of development in the future that is not less than appalling to the war office.

THE COTTON KING.

poses the villagers, too, "Bob" Knight,

as he is familiarly known, is now 73

years old, and would never be taken

for the absolute master of the cotton

industry. His living expenses are cov-

ered by a sum the equivalent of a

clerk's salary. When Knight was a lad

he was a bobbin boy in a New England

mill. Summer and winter he went

barefooted to his work. His brother

Brayton opened a small store in one of

the mill towns and prospered. He took

Robert in as a partner. The future

mill owner was thrifty. He had saved

much and was in comfortable circum

stances when a took a position as a

clerk in a Pontiac cotton mill. His em

ployer was elected to the United States

Senate, Knight rented the mill for

GOVERNOR OF PENNSLYVANIA, bella, the baby of 7, completes this increating family group. Ris Rise from Foverty and Obscurity

to Wealth and Distinction. When Hon, W. A. Stone, newly elect-

man who has climbed to his present "No, you won't," said the miner; high position over unusual obstacles of poverty and difficulties and who may truthfully be called "a self-made man." His parents were Pennsylvania



WHERE STONE WAS BORN.

farmers, highly respected, but poor. Through all of the early years of his boyhood he had but three months of each year at school, and that a little country one; the remaining nine months he bore his share of the burdens incident to a farm. At 17 he en-



HILLIS GOES TO BROOKLYN.

Chicago's Brilliant Preacher Called to the Pulpit of Plymouth Church.

Chicago's brilliant preacher has been called to the pulpit of Plymouth Robert Knight a Product of the Growth of Modern Industry. Church, Brooklyn, made famous by Robert Knight is one of the most re-Henry Ward Beecher and recently vamarkable products of the growth of cated by Lyman Abbott. The friends modern industry. He is commonly of Rev. Dr. Newton Dwight Hillis excalled the "Cotton King," and he depect that he will achieve the same serves the name, inasmuch as he is the measure of renown and popularity as

largest mill owner in the world. He is did the flustrious men whom he sucthe individual proprietor of 450,000 ceeds. Dr. Hillis is a native of Iowa and 40 spindles, 11,000 looms, and fifteen villages. He owns everything in these years old. He was educated at Grinvillages, and to all intents and purnell Academy, at Lake Forest Univer-



DR. NEWELL DWIGHT HILLIS.

sity, and at McCormick Seminary. For listed in the war, and came out, at the \$5,000 a year. At the end of a few three years after leaving his theological close of hostilities, two years later, a years he bought it out for \$14,000. This studies he was pastor of the First Pressecond lieutenant. Then for several was the nest egg of his tremendous for- byterian Church of Peoria, Ill. Within that time he built a new church at a cost of \$50,000. From 1890 to 1894 he preached from the pulpit of the First Church of Evanston, Ind., where he likewise upreared a new church building. In December, 1894, he succeeded Prof. Swing, of Central Church, Chicago. The new pastor of Plymouth will preach in Brooklyn the same creed he has preached in Chicago. It is the creed of broadest Christianity and humanity. the creed of Beecher. Dr. Hillis is also a writer and has been well called "the poet-preacher of the end of the cen-



The penny postage plan went into ef-

SOLDIERS USING THE HELIOGRAPH.

field of signalling devices. In form it an efficient druggist, but he strenuously form. It was he who introduced the is a glass four inches square, and in its disliked being in undignified haste over telegraph money order system into they ride with me."-Kansas City Jourcenter is a minute hole. The operator anything. In fact, his disposition to Great Britain. He likewise showed the nal. holds the glass to the sun in such a take everything slowly and in the most French postal authorities the utilities position that, sighting through the dignified manner had seriously stood in and beauties of the parcel post. Mr. aperiure, he strikes a spot on the sight- the way of his advancement even in his Heaton has other phases of character ing rod. This, on rifle principle, is own particular calling, and it was partgauged by distance, and is set by ex- ly for this reason that he desired to join periment until the operator knows that the navy.

a certain point upon it will give him and his message to by flashes. The communication, in dots and dashes, is carried on by a shutter with which the operator cuts off the flashes or elongates them at will. A short flash is a dot-a long one a dash. The hellograph can send its sunlight a wonderful distance. Last year in the Rocky Mountains, Captain Glassford, of the department of the Colorado, flashed a message from Mount Ellen to Mount Uncompaghre, a distance of 185 miles. The power of the light is also great. Turned on to the dome of a State capital building one day recently, from a station miles away, the refraction of

the rays proved so great that the dome could not be seen. The shutters are worked by two little

one finger of the operator fits. When the hand is closed the shutters fly back, exposing the mirror to the sunlight, and a flash is at once emitted like that with which a small boy tantalizes one in a window with a piece of milror. With a few minutes' practice any telegraph operator can manage a heliograph. Reading the flashes as they came over miles of space to the other station is not so easy, however. One soldier stands behind the instrument which is not in use, and reads off the message flashed to him by the distant instrument to another man, who takes it down in regular form on a telegraph blank.

In November, 1803, Assistant Super-Intendent Lloyd, of the Western Union, tendered his services to the Second Illinois Regiment for the organization of a signal corps. This led to an orgaulzation, so that now in three State brigades there are ninety skilled signal men. The first important work of the corps was during the thirty-three days of camp service during the great Debs aber strike at Chicago. The system was here found to be invaluable, for in at least half a dozen instances the sun fashes warned bodies of soldiers of the approaching riot, or served to contey calls for assistance. There was a signal station at every threatened bint, Later, at Camp Lincoln ento the very highest grade of profici-

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In addition to the hellograph, the speed with flags for day use, mercial importance, even crediting it Nor do bellograph duty in time of need, River Cherwell, sixty-five miles from to thaw them out.

"In what capacity do you wish to enthe range of the point he desires to list?" asked the recruiting officer very briskly. "As a druggist, sir," replied the appli-

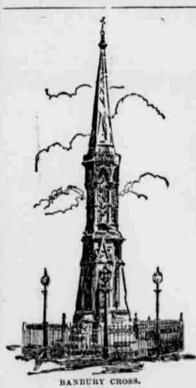
cant. "Can't do it; we'll have to ship you as a landsman."

"What does a landsman have to do?" questioned the applicant, doubtfully. "Anything he's told, and do it quick, too."-New Orleans Times-Democrat.

OLD BANBURY CROSS.

Once a Real Thing, Its Site Is Still Marked.

Old Banbury Cross, of which everyone has heard in the rhyme, "Ride a cock horse," is not a fiction. It once stood in Banbury, which is a town that flugs, arranged like the handles of a dates back even to the Reformation. In factured by steam power. In our great scissors, into which the thumb and literature, too, it has had secure mention any time the last 300 or 400 years.



we always know lt-that Banbury is a mere country place in England, which tarious signal corps are now fully for centuries remained of no little com-

known device for transmitting mes- still famous all over England. In retages by sight or sound, skilled sig- cent years there has been an accession

than that of postal reformer. He is an author of ability and a contributor to the periodicals. His "Australian Dic-

tionary of Dates and Men of the 'Time'' is an authority and a most useful book. He was born at Rochester in 1848 and

United States,

is a very rich man. Among his other achievements is that of inaugurating international parliamentary chess matches between Great Britain and the

COAL IS KING.

Its Mighty Power Controls Our Entire Civilization.

We could not do without coal. This commodity has become an absolute necessity of modern life. A failure in the coal supply would deprive us at one blow of the means of locomotion, light, warmth and cooked food. It would more than treble the cost of all commoditles which are at present manu-

cities it would at once cause an unprecedented famine, as it would be impossible to meet the requirements of the markets. It would convert our navy into a collection of useless hulks, and

the world. It would make Russia the collar. greatest commercial power, as this is the only country which uses oil almost entirely for purposes of locomotion, and which has enormous stores of that commodity within its borders. Countries with large populations would become uninhabitable, and the world would drift back into a pastoral condition. The vast majority of stocks and shares would be converted into so much waste paper. It would probably take at least a century to repair the devastation that would ensue,

Pearls of Great Price.

The most magnificent and costly pearl necklace in the world is in the possession of the Countess Henckel, well known in London and Paris. It is made of three historical necklaces, each of which has enjoyed considerable celebrity in former times. One of them, valued at £2,000, was sold to the Countnos by a grandee of Spain, and is incours as the "nuckines of the Viegin twenty years. October always begins of Atoliko." The second hologest to on the same day of the week as Janua was the famous neckloce belonging to cember. February, March and Novem-

be told-although we knew it before, sold to a London jeweler for £20,000. An Old Palace. Lambeth Palace, London, has been

the home of the primates of Canterbury for seven centuries. This place struments and reels of wire, and every own production. These, it is true, are show specimens of almost every style of architecture which has prevailed since 1190.

tailers can telegraph by wire, by wig-of business there in the manufacture of If a young man takes a girl out sleigh wag, he are the state of the s wag, by flashes, by torch, by knife or agricultural implements. It is a marfort. They can make a common mir- | ket and borough town, situated on the she hold his hands when they get home,

am always willing to care for our passengers, but I hope the Mexican miners won't carry so much cash pext time

WHY SHE COULDN'T PAY.

The Nickel Was Lost and Couldn't Be Found,

"Fare, please," said the conductor to the young woman who sat in the street car, a picture of woe. "I can't pay you this time," answered the young woman, faintly, says the New York World

"Why can't you, ma'am?" in a suspicious tone.

"I-I have lost my fare." "Did you have it when you got in?" "Yes, but I haven't it now. You can take my address, and Ill send it to you.'

"I can't do that," said the man. "It's against the rules. If you lost your fare in this car, there is no reason why you should not find it again. I'll help you to look for it."

"No, no!" said the woman, in a state of alarm. "I tell you that it is lost, and you will have to trust me to send it to you."

"Very strange!" said the conductor, suspiciously. "If you lost it here, I can't see any reason why you can't find it again. How did you lose it?"

"It's gone down my neck!" shrieked the young woman, driven to desperawould probably establish Norway or tion, and then the other passengers re-Sweden as the greatest naval power in membered seeing her fiddling with her

Dictionary for Girls.

A disagreeable girl-Anute Mosity. A fighting girl-Hittle Magin, A sweet girl-Carrie Mel. A pleasant girl-Jennie Rossity. A sick girl-Amelia Ration, A clear case of girl-E, Lucy Date A geometrical girl-Polly Gon, Not a Christian-Hettle Rodoxy, A flower girl-Rodo Dendron. A musical girl-Sara Nade. A profound girl-Mettle Physica. A clinging girl-Jessie Mine, A muscular girl-Callie Sthenics, A lively girl-Annie Mation, An uncertain girl-Eva Nescent, A sad girl-Elia G.

No Century Begins on Sunday.

There are some curlous facts about our calendar. No century can begin on Wednesday, Friday or Sunday, The same calendars can be used every on the same day of the week as Januvies on Quesca of Naplas, and the third ary, April as July, September as Detrapments, the system was advanced It is, therefore, as a disappointment to the Empress Eugenie and by her lately ber begin on the same days. May, June and August always begin on different days from each other and every other

month in the year. The first and last days of the year are always the same. These rules do not apply to leap year, when comparison is made between days before and after Feb. 29,

Mercly a Matter of Tense.

Grandmother-And is John's DOW watch going all right? His Father-No. mother. It's gone,

long ago!-Jewelers' Weekly.



terms he taught school during the daytune. In business Robert is close and time and at night studied until the wee exacting. He likes to drive good barfession, the law. He was admitted to after the grocery bills of his own housepractice in 1870. For the next twenty hold. He has no yacht, no "tiger," no was all Gounod could do to persuade years he was an active factor in the

politics of his State and in 1890 he was elected to Congress, where he remained "imtil he resigned to become chief executive to one of the greatest common-The executive manslon at Harrisburg is sure to be the scene of many brilliant social functions under the

ROBERT ENIGHT.

THE ROMANS.

Built Aqueducta Solely Pecause They

Had No Suitable Pipes.

when, it is proved, they knew the hy-

ways to its own level.

regime of its new mistress. Mrs. Stone loves society and is never happier than when dispensing the hospitality of her home. Their Washington residence was not nearly so pretentious as the executive mansion, of which we present our readers a picture, but during the eight years in which Gov. Stone was in Congress it was always a favorite resort with society, and Mrs. Stone's dinners and receptions were among the oll paintings. He never gives away

wealths of the Union.

notable ones of the season. Gov. Stone has been married twice. anything he can use, and finds use for By his first marriage there were two everything he has. children, Stephen Stone, a Pittsburg attorney, and Mrs. Hickling, of Washington. As Miss Harriet Stone, Mrs. Hickling was one of the capital's reigning belles, her sweet disposition and womanly graces making her then what she is now, a great social favorite. She married Dr. D. P. Hickling, an eminent physician of Washington, and they



EXECUTIVE MANSION, HARRISBURG.

have two bright little ones, a dainty and her younger sister, Miss Margaret, a very long time with a very moderate are attending boarding school at Lake amount of repairs. Forest, John, a handsome lad of 12,

is very like his distinguished father It is a very refined woman indeed who both in looks and manner, while Iss. does not admire a minstrel man.

tury." "PROPHETESS OF EVIL"

The High Priestess of the Dreyfusards Fredicts France's Ruin.

Georgiana Weldon is the latest Paristan sensation. She has written a pamphlet which involves those army men who have said that Dreyfus is guilty, and in which she predicts the downfall of the nation.

This woman has been the scourge of a few great men in her time and the puzzle of courts and specialists in psychistry. In 1872 she was a concert singer in London, and on the occasion of Gounod's visit there she spread the sma' hours fitting himself for his pro- gains, and even looks with great care report that the German composer was about to become a British subject. It

> his fellow countrymen to the contrary. She claimed Gounod's compositions as her own and secured a judgment against him for \$50,000 in the English courts. She sued Rochefort for libel, was committed to insane asylums, which she sued immediately on being released. She was sent to a convent,



where she still resides, but there are People forgetful of the real status of Dreyfusards who desire to carry her mechanical economy in the time of the through the streets of Paris in a Romans have often expressed wonder charlot. that they built expensive aqueducts

Children's Eyesight.

drostatic principle that water rises al-Official tests of the eyesight of Baltimore school children-tests ordinarily The principle reason undoubtedly used by oculists-to the number of 53,was that they had no suitable material 007 show some interesting and suggestto make pipes which would stand the live results. More than 9,000 pupils enormous pressure inseparable from an were found to have such defects in underground system. Lead was out of these organs as to make school work the question for the purpose because unsafe, while 53 per cent, of the chilthe pipes would have to be made so dren were found not to be in the endisproportionately thick, and, besides, joyment of normal vision. Curiously water flowing for miles through lead enough, this percentage of defective would be polsonous. Short lead and eyesight steadily decreased with the clay pipes were used by them in their age of the pupils. The percentage of cities and Louses for the supply of normal vision was found to be as folbaths, but without cast iron, which lows in the different grades: First they did not possess, they could not grade, 35; second, 41; third, 47; fourth, have made pipes to carry water long 49; fifth, 48; sixth, 48; seventh, 54; distances. Lastly, the water brought eighth, 50. No explanation is offered to Rome was strongly impregnated for this improvement in eyesight with with lime, and this would have caused age and the use of the eyes under daughter of 4 and a robust boy of 2. a great incrustation in pipes and neces- school conditions. It was found, how-By his second marriage Gov. Stone has stated frequent opening and cleaning, ever, that many blackboards and maps had six children, four of whom are liv- whereas an aqueduct, once built, in the schools were not placed in the ing. Miss Jean, a vivacious girl of 14 would, as events have proved, last for proper light, and the report of the oculists recommends yearly examinations hereafter of the pupils' eyesight; also the adoption of a uniform system of adjustable seats and desks adapted to

the heights of the children.

