

Only 54 per cent of Germany's young men are fit for military service. Dr. Stricker finds that heart disease has increased 300 per cent in a decade.

The hour of death has been recorded by a leading European physician for 2,880 persons of all ages. Deaths six o'clock in the morning and fewest between nine and eleven in the mornlug. The death rate is not large between 10 a. m. and 3 p. m., the fatal bours being from 3 to 6 a. m.

Human power and machine power are found by Prof. Schmoller of Beritn University to have been equal in Germany in 1850, when the popula- therefore free from foolish pretense tion was eighteen million, one-half being laborers. In 1855, with a population of fifty-six million and the same proportion of laborers, the machine rubles. power had reached six times the manual, or, according to some authorities. ten times

Carl Hagenbeck, the animal dealer, of Hamburg, has a number of very curious crosses between the lion and the tiger. One of these remarkable animals is now four years of age. He has the head of a lion and the striped body of a tiger, although the stripes are not as distinct as in a true tiger. His father was a Senegal lion and his mother a Bengal tigress. He has recently been in New York, and scenas to be a healthy, vigorous animal.

Houses of sand, as substantial as granite, are offered by the new process of L. P. Ford, of Gresford, England. A mixture of sand and quicklime in sultable proportions is forced into a very strong steel mold, which admitted. The heat and pressure of the slacking lime and steam mold the cent of the strength of granite. This hours, is very durable, and its cost is tle more than half as much as the ordinary.

In the suburbs of Berlin recently concrete has been employed in place of wood in making piles to be driven the from 17 to 26 feet in length, are triangular in cross section, and consist of Portland cement mixed with river ballast, the composition being stayed with an armature comprising, for each pile, three-quarter-inch iron rods tied together at regular intervals. the rods being set into the concrete. The heads of the piles are guarded by buffers, and, thus protected, they can weoden beams with a pile-driver.

The invention of nickel-steel, and other causes of an increased demand for the metal that is so familiar to us in our five-ecent pieces, give widespread interest to every discovery of new deposits of nickel ore. During Keen-Witted Circuit kider of Indiana the past summer Prof. Coleman of Acquires a Fortune. the University of Toronto explored the Budbury nickel deposits in the proeest, which is not equal to the richness of the ores of New Caledonia. The Ontario deposits cover an area forty mlies long by twenty broad.

PROUD OF THEIR INCAPACITY, been offered a fortune.

Some Women Glory in Their Inability to Do Common lasks.

fastidious people are always good man- alty on all bottles manufactured. agers, for they cannot endure to live | Another invention is a non-refillable in discomfort and squalor, and, rather hottle cork, which is closely al. i d to than endure it, set bravely to work to the non-refillable bottle, but can be semedy it.

mutton chop, boll a potato, or make matic monkey wrench which does . decent cup of tea, whatever her away with the screw and thread and station in life, has no reason to feel adjusts itself automatically to any proud of her incapacity.

whatever her wealth and position-how article. to make a fire, how to bind up a wound, how to cook at least some simple dishes, and how to act in case of ing much good with the money which fire or poison. On such knowledge has come to him. His first purchase life or the loss of it may depend, and was a 200 acre farm, which he gave she who does not possess it is ignorant to his aged father. Soon afterward of an essential to a woman's educati n, he bought the steam ferry at Peters-A thousand possible accidents may burg and gave that also to his aged make it of the first importance.

The perfect woman, the woman the world wants, is the all-around woman who can put her hand to anything. eu tivated intell gence, quickly g asps how tasks unfamiliar to ber should be equally at home in the drawing room, the sursery and the larder, able to entertain her guests with ease and grace his soiltude, she gave him a huge piece but capable, womanly, versed in all that it becomes a modern woman to know: mistress, perhaps, of an art or profession, but in addition to and before all that, a good wife, a good mother, a good mistress-that is the kind of woman of whom there cannot be too many.

cumstances, to busy herself with house , fingers.

hold de talle, but she knows how everything should be done

When she finds fault it is with reason and out of the fulness of her knowledge. She does not give impossible commands or expect impossible perfections. She is just and reasonable, but if anything goes wrong she knows just why, and she can point out the

She commands the respect and confidence of her servants. If circumstances compel her, she is ready to work for hashand and children

She manages under all circumstances to preserve her grace and refinement are not numerous between five and and to import it into her method of work. She makes the poorest cottage pretty and homelike, and by a deft touch transforms the dreariness of even cheap lodgings. She never sinks with ber fallen fortunes, but brings up her children to adorn the society to which they belong. She is simple and well bred- a lady, every inch of her- and and affectation, cheerful, companionable, well read, with a kind heart and sound principles. "Her price is above

THE DEADLY CELLULOID COMB.

Dangerous Article of Ad roment Is

Blightly Different from Guncotton. Attention to the dangers attending the use of celluloid tollet articles is again called by a contributor to the Medical Press and Circular. He writes as follows:

"It has long been known that dressing combs and other articles of like nature have been manufactured from a modification of guncotton. From them. time to time we have pointed out the possibility of accident from the use of article containing such ingredient, but comparatively few cases of accident have hitherto been recorded. Now it appears that, the original patent having several guards, who, however, he canexpired, a vast number of imitation processes have sprung up, and the pubis placed in a box, from which the air lie are flooded with combs made from then pumped, when hot water is guncotton compounds by methods which render them more dangerous than those prepared under the original materials into a rock having 60 per patent. That some restriction should be placed on its indiscriminate use was building stone, ready for use in eight proved by the recent case of a girl, twenty-two years of age, who was low, bricks by this process costing lit- suffering from cellulitis of the scalp, accompanied by a marked degree of nervous shock. It appeared that her head had been set on fire by the sudden combustion of a comb which she wore in her halr. Cooking her father's into the ground for foundations to dinner one Sunday, she happened to buildings. These singular plies, vary- bend down before the fire, when the comb suddenly ignited, and she be- at a Russian military school and are came enveloped in flames. Her life great favorites with the Czar. was spared through the presence of mind of her father, who immediately enveloped her with the hearth rug, and so extinguished the conflagration, Obviously, seeing that the mere storage of guncotton is restricted by heavy penalties, it is not fair or safe that makers should be permitted to place be hammered into the ground like a slightly modified, but actively dangerous modification, on the market, to be

INVENTIONS BRING WEALTH

used by a section of the public who

have not the alghtest notion of its com-

position and dangers."

preaching Sunday after Sunday to a battle ax, behind and above it rising vince of Ontario, and reports that in small country congregations in Pike the still, white rocks of yet greater quantity they surpass any other nickel and other Southern Indiana counties, pyramids. A little farther on the road deposits in the world. But although to a man whose wealth is estimated leads out into bott mlands again, where the percentage of metal in the ore at \$500,000, within two years, is the another phase of the valley begins, averages only two and five-tenths per of Petersburg, has made through in- trance and the upper chasm; the open

Mr. Stafford is only 27 years of age, but he owns seven inventions, six of philtheater phase, extending to the cliff which have been patented at Wash- of the Wire, and finally the last narington and for each of which he has rowing phase from the Wire to the

Probably his most remarkable invention is a non-refillable bottle, which has been tested thoroughly and is It must be admitted that some soon to be manufactured by a comwomen and girls have no taste for pany organized for the purpose. Aft r housekeeping, but this is a distinct mis- the first test the minister was offered ders, but glides with a concentrated fortune. They ought to have it. They \$100,000 for his patent, but recused it. intensity. To the west opens a deep should try to acquire it. They have no The offer was increased but he re- alcove, aiding to form here a huge amreason to glory in such incapacity, not fused to disp se of the patent as a phitheater. There are thick groves of to look on it as a mark of superiority, whole or even of a controlling interof an artistic temperament, a fastidious est. Uklimately be sold a tenth linernature. Not a bit of it. The really est for \$10,000, and is to receive a roy-

made to fit any bottle that is manu-The young woman who cannot cook factured. Still another is an autosize. It is said that the wrench can be Some things every girl should know, sold much cheaper than the ordinary

> The minister is not only enjoying his new prosperity himself, but is doparent.

Wonder It it is True?

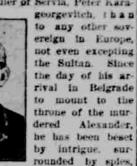
This is why Illinoisians were first called "suckers," according to an od should the need arise, and who, having magazine. The early ploneers adopted needs it; a kind word to the sorrowful, many indian habits. They strapped and encouraging expressions to the their infants to boards like papooses. done. The cultured lady, accomplished After they began to raise swine, the mother would leave her baby alone in the cabin for hours, but to alleviate you gently and happily down the -no drudge, no mere upper servant, of mw pork to suck, first tying it to his foot by a string, so that whenever he attempted to swallow it the natural impulse to kick would save him from choking.

> Don't take chances of proposing to a girl on Friday; she might not refuse you.

She may not be required, by her cir- Cold cash has burned many a man's

HIS LOT AN UNENVIABLE ONE King Peter Saubbed by Regally and

in Dauger of His Life. "Uneasy lies the head that wears crown" is more particularly applicable to the new ruler of Servia, Peter Kara-



KING PETER. and the very center of a boiling caldron of political scandal. He becomes more and more convinced daily that he made a mistake when be gave up the life of a private gentleman for that of monarch of such a state as Servin, where he enjoys few of the privileges and dignities of kingship, where he reigns without governing, and where his life is so un-

a policy upon it. He is systematically snubbed by most of the other rulers of Europe, and by none so markedly as by Great Britain, which has absolutely refused to have any diplomatic relations with

safe that the insurance companies ask

an absolute prohibitive premium for

Servia since the brutal tragedles. The other day King Peter sent congratulations on King Edward's birthday to the British charge d'affaires at Belgrade, who declined to receive

He receives by every post a variety of disturbing predictions as to what is likely to happen to him, and therefore deems it wisest to have a fire escape attached to his bedroom window, and not trust about his person.

Personally, King Peter is an admirable man and has all the qualities of a good king. But his people are turbulent and hard to govern.

He is now 58 years old and is a fine soldier, having received his education at the French military school of St Cyr. He served in the Franco-Prusslan war with the French Foreign Legion, which was noted in that struggle for its hard fighting and dare-devil tacties. He married a Montenegrin princess, now dead, and has three children, George and Alexander, aged 16 and 15 respectively, and Helene, aged 19, who is one of the most beautiful girls in all Europe. The boys are studying

AMONG TITANIC BUTTES.

Attractions Found in Utah "Valley of Wonders.

Words fail to express the sensations inspired in these excessive heights of naked rock. The river constantly forms an appropriate foreground, and at length as we near the upper end of this particular division one of the most complete pictures of the whole valley unfolds before us. In the foreground are the chaotic masses of red rock through which the river tears its way; green cottonwo ds and bushes then laject their note, leading on to a huge vermillion pyramid, whose precipices From a poor Methodist circuit rider, cleave the sky in the midday sun like ventions wrought out while traveling. phase as far as the beginning of the ravine, then the ravine, then the amchasm.

Coming out of the head of the ravine as upon the floor of another story, the magnificent series of pyramids on the left disclose their full majesty; the little river no longer frets amidst bowlcotton-woods in the wide, level bottoms; on the slopes of talus, caeti bloom georgeously; there also are manzanita with its rich red stem and waxen leaf, sage bush, and many other plants, cedars, pinons. The blue sky above again touches the right chord in the symphony. Up and down, cast and west, extends the labyrinthian array of glant rock-forms so magnificently sculptured, so ravishly that d Again we are impressed with marvelous beauty of outline, as well as the Infinite complication, of these Titanic buttes. It is doubtful if in this respect the valley has anywhere its equal. Not even the best part of the Grand canyon offers a more varied spectacle. There is an isolation of each temple here that is rare, yet all are welded together in a superb ensemble.-Scribner's.

Good Counsel for 1904.

When you rise in the morning, form a resolution to make the day a happy one to a fellow creature. It is easily done; a left-off garment to a man that striving. If you are young, depend upon it it will tell when you are old; and if you are old, rest assured it will send stream of time into eternity.

Hold Males Superior. The Munich school board has ordered that all female school teachers must salute their male superiors first wherever they meet them.

It is a rare man who can quit eating while it is still tasting good.

Many a man who owes something to bimself refuses to pay it.



Love-Making by Rule.

NE can hardly pick up a newspaper or magazine without finding advice on the subject of love-making, and the minutest idiosyncrasies of woman and of man are so described that it would seem that the wayfaring man and the fool could not err therein. This abundance of advice leads to the query whether it would not

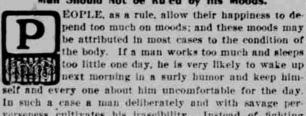
be quite as well to leave a little something to the individual. What fun is there going to be in courting a girl, when every step in the way is marked out with the precision of the proper move in a game of chess?

It may be frue that if a man wants to please a woman he will pretend that he does not care too much for her, and that if a woman is particularly desirous of winning some particular man for her husband she will pretend that she does not care much for him; but if they both do this, either they will get the impression that there is no use in going on with the affair, or they will begin to understand that it is all in the game, and we have Scripture authority for i that in vain is the net spread in the sight of any bird.

For all this multifarious advice, however, there is very little danger that the good old game of courting will lose interest for the majority of people. Human nature is so varied that it will take any person more than one lifetime to learn all about it, and the more a man may think he knows about women in general, the more likely is he to find that the one particular woman in whom he is interested has some individual traits different from the rest; and they will be enough to keep him wondering for some time.

The most dangerous thing which one can do in a love affair is to generalize. The safest way is to study the specimen in hand, and try to find out its habits, fancles and tendencies, without much reference to these of other creatures. The ways of an orlole cannot be learned by watching a blue jay or a domestic duck.-New York Daily News.

Man Should Not be Ru'ed by His Moods.



self and every one about him uncomfortable for the day. In such a case a man deliberately and with savage perverseness cultivates his irascibility. Instead of fighting against the mood and beating it off, he yields to it and takes a gloomy satisfaction in his condition. He willfully twists every incident into a cause of offense, goes out of his way to find slights, and discharges his ill-feeling on his wife or children or employes or anybody else whom he can bully without fear of being knocked down. On the other hand, when a man is becithy and refreshed, and well fed, he beams upon the world. Things must go very badly before they make any impression on his buoyancy of spirit.

"Life," Emerson wrote, "Is a train of moods, like a string of beads, and as we pass through them they prove to be many colored lenses which paint the world their own hues, and each shows only what lies in its focus." It does not become a rational man, however, to be ruled by his daily humors. The intellect and will should be masters of the temper.-San Francisco Bulletin.

Back to the Farm.



sometimes reaches five per cent, it record of the Rev. James M. Stafford, Four phases are noted between the en- nigh impossible for a stranger to get a foodhold. For for the place of honor and esteem among the best elements every situation there are a score of applicants, and the of mankind, they will find that somehow or other they de

aid is indeed unfortunate. We have long believed that this condition of affairs would correct itself. One of the reasons that our young men have been so willing to leave the old country home has been the lack of country attractions This can hardly be said to hold good to-day. The trolley ear, telephone and free rural mail delivery have well-nigh wiped out the distinctions between city and suburban life Another powerful factor now working for the upbuilding of the country life is the agricultural college. Our young men are fast learning that farming is no longer the haphazard business of a former day, but is one of the most exacting and scientific of pursuits. With this knowledge comes a higher respect for the vocation and a stronger desire to enter the industry. The tide is thus gradually but surely turning, and the time is near at hand when farming will be held in the same high regard here that it has long been in England. In that country when a man achieves financial success he at once seeks a country estate

Here the reverse has long held true, and the city home has been held up as the ideal. This false system of ethics is rapidly going to the wall and a more exalted idea of country life is taking its place. Rich and poor alike are beginning to take to the farm. It is the ideal spot for a home.-Lewiston Journal.

Bachelors Are Spoiled.



EYOND a doubt, society spoils many bachel ors, by making too much of them. The pur pose of society is to bring the men and the maids together, mate them and marry them. But society frustrates its own purpose by pes ting and pampering unmarried men. It puts a premium on the single state, at least for men,

Bachelors are made so contented with their condition that it is no wonder they are loath to alter it. They stand, as it were, on a pedestal, in heroic pose, like demigods. Incense is burned before them. Then the girls complain be cause the men don't marry. If the young women of this generation are left old maids they may blame themselves

and the ways of society. Society, for its own sake, ought to make things unpleasant for bachelors. Unmarried men should be forced to feel that they have a duty yet unperformed, and that they are received only on sufferance. They should be kept in the background in all events and below the salt at table. The married man, on the contrary, should be received as one who has done his duty faithfully and well, and has merited reward. He should be favored in every possible way in order to point the difference between his honorable state and the unworthy condition of the single. Bachelorhood should be a ilmbo or even a purgatory; a state of painful preparation, instead of a heaven. If things were as they ought to be, if society were alive to its own interest, there would be fewer self-satisfied, egotistic, disgustingly contented single men.- San Francisco Bulletin.

The Handicap of Wealth.



RESIDENT ELIOT, of Harvard, in a recent address told a band of struggling newsboys that the children of the rich were terribly handleapped-and they are. In a majority of instances their lives have no purpose. They are reared in an environment which makes

them mere show animals. They know nothing of the toothand-nail existence which makes men. It has not been brought home to them, as to those that are early thrust NE of the most serious problems that con into the vortex of life, how much of struggle and fight and fronts the economic world to-day is to keep endeavor is still needed to preserve the ground civilization the young men on the farms. For many years and culture have gained for humanity. They merely grow. there has been a tendency to congregate in the They see people about them gratifying sensual desires and cities, and to such an extent has this been car | seeking pleasure, and in too many cases that becomes the ried that all the vocations of city life have sum total of their life's aim. It is a tremendous handlesp been so over-crowded that to-day it is well for any one to overcome; and in the struggle for success, voung man who has no influential friends to render him not possess helpful characteristics.-Vim.

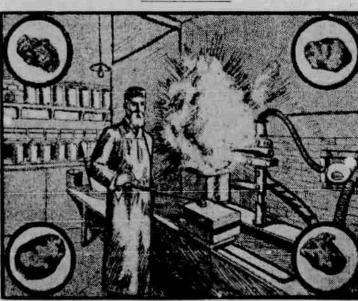
Senator Knute Nelson of Minnesota who is a Norwegian by birth, speaks Norwegian, Swedish, Danish, German and English, and has a good understanding of French. He is one of the cost accomplished linguists in the

Cats in Japan almost universally have short tails, and if a cat does come nto the world with a lengthy caudal ppendage it is usually chopped off, for he Japs detect a likeness to snakes in he long tall and cannot endure it. The apanese cat has the usual number of somes in its tail, but they are not developed.

A startling fact which has recently een demonstrated is that the equator s not a perfect circle. If you could hop a plumbline from Ireland through o New Zealand, it would be somewhat onger than another which cut the arth at right angles to it. The differnce has not yet been ascertained with ibsolute accuracy.

A letter was received at the East Dorset (Vt.) postoffice a few weeks ago ostmarked at Spokane Falls, Wash., and directed to Benjamin Ames or any if his descendants. It proved to be om a man who sixty years ago boardd with Mr. Ames for a time and left ithout paying his board bill. He aid that he was now 83 years old and vanted to pay. The bill was sent him nd he sent a check for the amount. Male "housemaids" are the most reut contribution to the solving of the ems. Several thousands of foreign oung men have recently been transorted to London to engage in general omestic work in British households.

CLAIMS HE CAN MAKE DIAMONDS.



PROFESSOR MOISSON.

The scientific world is greatly interested in the claims of Professor Moisson, the learned Frenchman who asserts that he is able to manufacture diamonds in an electric furnace of his invention. The process, according to M. Moisson, who is shown at work at his diamond making furnace, takes from six to eight weeks, tremendous pressure being applied to the raw material, which is withdrawn at white heat from the crucible. It is then found that the glass, which has assumed a grayish color, contains a particle said to be a diamond. Charles Combes, the well known French mining engineer, is foremost among those who ridicule the professor's claims. The small circles in the picture contain figures of the so-called diamond crystals.

the reign of women workers in the ming in various ways. "essentially womanly field of houseervant problem in Great Britain, it wifery" will be quite eclipsed by the masculine superiority therein shown.

The long, stiff tail-feather of a woodpecker enable the bird to cling to the trunk of a tree in an upright posio far nothing but commendation is tion for a long time and bore away for and on the subject. These men ser- food. The bill of a woodpecker is ants, say their employers, do the work often as strong as that of a bird of at has generally been allotted to prey, and in the woodcock of Northern omen in a cleaner, quicker and more | Maine the bill is found at its greatest wough fashion than the sex they development. The tongue much ree no grievances, no "visitors," ask long and admirably adapted for suck-

about "evenings out." Altogether, if only long and brush-like, but barbed at the future carries out the prophecy of the point, so that it can impale its the present it will not be long before prey. The feet are adapted for swim-

A Snug Fit. He-I want to get a lady's best.

Clerk-What size? He-Ah, there you've got me. I don't know the size. She's pretty plump; but (suddonly brightening) say! Just mean ure the length of my arm.-Philadel-

phia Ledger. Essence of Roses.

At present essence of roses is almost the only article exported to the United ve displaced. They waste less time, sembles an angle worm, and is very States from Bulgaria, and agricultura machines are almost the only direct bligher wages, and do not bother ing sap. Sometimes the tongue is not imports from the United States.