

FOR WOMAN'S BENEFIT.

An Opportunity for Women.

In regard to the many women who wish to be self-supporting, here is a suggestion that appears in a periodical and that seems a plausible one. Of all the amateur photographers there are few who are really successful in developing their own negatives. The majority send them to the photographers, pay largely for the work, and wait as patiently as they can for their turn in the rush. A woman who would carefully train herself for the work should be able to make a respectable amount of money while the craze for amateur photography lasts.

Snowy Draperies for Winter Days.

Much white is to be worn this winter, and cloth gowns of pure white and cream color, trimmed with sable, will be among the smartest of the wealthy woman's gowns. Only a rich woman could afford to wear such costume, as, of course, it will be very perishable (as far as its spotless purity is concerned), and the woman who can have but one or two cloth costumes would be insane to invest in such a conspicuous luxury as a white costume. House dresses of white veiling, crepe and foulard, and of light-weight satin-dotted woolen goods are to be much used, and tea gowns of satin, cashmere and crepe de chine, which last year were lilac, yellow, blue, green or pink, will this year flaunt trailing draperies of purest white, in most instances unrelieved by a touch of color.

How to Tilt the Hat.

The arrangement of the hair at the nape of the neck is one which creates great difficulties in millinery matters. Nothing is more terrible or disfiguring to the contour of the face than a gap between the crown of the hat and the coils of the hair. Yet many, many girls are to be seen who allow themselves to be such objects. A veil brought around thickly under the chin and tied above the brim sometimes mitigates the evil, but it exists, nevertheless, and another attendant on it, viz., the angle at which the hat is worn, setting in absolutely a straight line across the head and coming low down on the forehead, with the result that becomingness is reduced to a minimum. The angle for the hat when the coiffure is low is slightly of the forehead when the comb, now so much in vogue, is inserted at the base of the crown coils; then the hat tips slightly downward.

The New Street Costumes.

One of the smartest of women's tailors is making the simplest of street costumes this season, but manages to give each one a distinctive touch that stamps it as novel and individual. One of these costumes is of an odd shade of dark green, brightened with touches of creamy castor in the same material. The close-fitted skirt has a front panel which reaches to within a couple of inches of the ground and is outlined with a double row of heavy machine stitching. On either side of this panel is a narrow gleam of castor cloth, which also peeps out from beneath the green cloth skirt at the foot. The trim little jacket reaches a few inches below the waist all round, and the basque has scarcely any fullness. A vest of the castor cloth is flanked by the double rows of machine stitching, which also outline the basque. Round-lapel revers of the castor come from the shoulders, where an odd yoke effect is obtained by a triangular piece of cloth being stitched from the base of the high collar to the shoulder seam and arm hole. Another costume created by this original tailor is of black rough cloth and has a vest of scarlet, rided with black and revers and cuffs of white, braided with black. —New York Commercial Advertiser.

Married Women at School.

If a girl in Russia wishes to study at any of the universities in that country etiquette does not allow her to do so until she is married, so she goes through the civil ceremony of marriage with a man student, whom very probably she has never seen before, and this marriage is quite legal, though perhaps they may never speak to each other again. On the other hand, if they like each other and wish it, they are married for life; if they don't, the marriage is dissolved when their university course is finished, and they are free to marry some one else. The celebrated mathematician, Sonya Kovalévski, whose autobiography attracted considerable notice a few years ago, went through the marriage ceremony with a student whom she then saw for the first time and who afterwards became her husband. The education of women in Russia stands better than in most European countries, owing to the persistent efforts of the Russian women themselves. By 1886 they had managed to get four university colleges for women, with 1442 students; one medical academy with 500 students and numerous intermediate schools. There are over 700 women doctors in Russia, of whom nearly 100 are employed in the Zemstvos.

and convenience; and she hastened to explain the use of the white drapery. If one would see herself in the deceptive mirror as others see her with the eye, or as nearly as possible, let her hasten to a dry goods store and buy a quantity of soft, pure white material gauze, if possible; if not, Swiss or India muslin will answer very well. Be sure and have it pure white, and after polishing the surface of the mirror gather the material at the centre of the top and bring it down softly on either side, framing the glass in folds of pure white. When this is done to artistic satisfaction peek in and see what a transformation. The true tints of the complexion, the expression of the countenance and eyes, the correct color of the hair, will be accurately reflected. This is one of the milliners' oldest secrets. Many of them drape the glasses on opening day in the softest drapery of pure white. It is done with the view of giving the fair patronesses the best view of themselves possible, administering in this way a little subtle flattery, thereby disposing more easily of the greater amount of goods. —Buffalo Enquirer.

About Baby's Hair.

In taking care of an infant's hair it is necessary to remember how delicate and sensitive the scalp of a child is, and also that the bones of the skull do not close till nearly the end of the second year. At first a baby's head should be washed every morning with some good soap. If scurf spots appear on it, they should be gently rubbed with a little vaseline or salad oil before the head is washed, but they should not be touched with a fine tooth comb. It is a mistake not to soap the head well, for if this is not done the scalp is pretty sure to become scurfy; but it is an important matter to rinse the hair properly with clear water and to dry it with a soft towel. The very softest brush that can be obtained is the right one for baby, and no comb should be used. After two years it will be often enough if the child's head be washed once a week. Then a shampoo should be used, made of the yolk of an egg and soap beaten up in warm water to form a good lather. This should be well rubbed into the scalp and rinsed out with plenty of warm water. If the water is hard a little borax may be used to soften it. When children have long hair and are apt to catch cold, it is a good plan sometimes to apply a little eau-de-cologne to the scalp, but this must never be used in the case of infants. Opinions are divided as to whether cutting the hair tends to strengthen it, or whether it does equally well to grow as nature wills. In any case it is a good plan to keep the hair fairly short for cleanliness' sake, and also because long hair is so often burdensome to children. It makes them hot and uncomfortable while romping about, and it also is apt to become badly tangled during play and to cause a good deal of trouble, and sometimes also pain when it is combed out afterwards by the nurse, who is not always as gentle as she ought to be. —Home Notes.

Fashion Notes.

Gray is the fashionable color just now. Exquisite pearl and gold embroideries are again coming to the front. Sterling silver is as popular as ever for the small articles for writing and toilet tables. New models in tailor gowns have Persian or gold cloth colors, revers and vestings. A dressy visiting gown is of cadet blue, with bolero waist, the bolero to be of heavy lace. Openwork felt will be fashioned into hats, as will also white kid, embroidered in silver. Put fastenings in the placket in two places to prevent gaping and showing the underclothing. Changeable silks will be used a great deal this winter for evening wear. The shades most sought after will be the pinks, the new blues and delicate greens. At the present moment tucks and folds are more fashionable on sport than flounces (though the latter is also often seen), and the new models show a continuance of this style. Thus far most of the new skirt models, both for utility and demi-dress uses, are absolutely untrimmed, unless the rows of silk machine stitching about the hem can be called trimming. Fancy crepons, especially those with velvet appliques, cordings and chenille dottings on changeable grounds, are the prime favorites for winter wear. Better dressers have at last returned to the woolen family as the best fabric for continued service and high effect. That New Young Man. The old tradition that a man should cherish his wife, support her as something infinitely delicate and precious, shield her from the world, and regard her not as the pleasant companion of the hunting field and smoking rooms but as the being associated with the deepest and most enduring sentiment of his heart, has of course no significance for the new young man, and it is only just to say that the new young man has given him every justification for his belief that she can push, trample and fight as successfully as the most insensitive male. The sisters and mother of the new young man, if they happen to belong to the old order of women, are not to be congratulated. They will find themselves one day sighing for the old-time young man, with his chivalrous ideas about women and his stupid, unenlightened conviction of his own inferiority in most things except force, which he delighted to use for their benefit and admiration. —Chicago Times-Herald.

SCIENCE AND INDUSTRY.

Botanists and entomologists know that a dead stump, or dead tree, standing near living trees is a source of peril to them, by furnishing a refuge and breeding place for timber-borers and other injurious insects. Trees, as well as men, need hygienic surroundings.

The Wilden process for coating steel and iron consists in the use of a bath containing 84 per cent. by weight of zinc, 14 of tin, 15 of lead, and 0.5 of aluminum. As in galvanizing, the articles are dipped into the melted alloy and the resulting coating is claimed to be the best known, being firmly adherent, resisting injury.

Electricity has been applied to the manufacture of glass. Formerly difficulties were experienced in melting the ingredients owing to particles of coal and cinders entering the crucible to the injury of the product. These are now eliminated by employing an electric arc within a carbon crucible to fuse the ingredients. Great economy results, as but 40 per cent. of the coal formerly used is required. A pot of glass can be melted in fifteen minutes that by the old process would require thirty hours.

Modern "sky-scrapers" have necessitated the use of a new kind of window-pane. The lower rooms in such buildings are frequently very gloomy because their windows open only upon well like areas and canyon-like streets. To save, or supplement, the use of artificial light in such rooms, window-panes have been invented consisting of glass plates covered with prisms, whose angles are so calculated that the light falling upon them from above is turned into the centre and corners of the room, instead of reaching only the floor close to the windows. Another form of pane consists of overlapping strips of glass so placed as to reflect light into the room.

In the manufacture of newspaper wood pulp, according to present methods, a cord of spruce wood is estimated to equal 615 feet of board measure, and this quantity of raw material will make half a ton of sulphite pulp, or one ton of ground wood pulp. Newspaper stock is made up with 20 per cent. of the sulphite pulp and 80 per cent. of the ground wood pulp. Now, as figured by experts, the best of spruce land, virgin growth, possesses a stand of about 7000 feet to the acre; on twenty-two acres, therefore, of this best spruce land there will stand 154,000 feet of timber, which an average company of loggers will cut in about eight days; but this entire quantity of wood, turned in at any one of the large mills, will in a single day be converted into about 250 tons of such pulp as goes to make up newspaper stock, and this amount of pulp will make about an equal weight of paper.

For the purpose of photographing the new planet, "Eros," on its expected approach to the earth again, the astronomical department of Harvard university has in process of construction a remarkable telescope, likely, it is thought, to give results of great value to astronomy if the instrument is mounted in a favorable position. Though it will have an aperture of only twelve to fourteen inches, its focal length—a most remarkable feature—will be 135 or 162 feet—the position to be horizontal, and the star reflected into it by means of a mirror, the earth's motion to be counteracted by moving the photographic plate by clockwork. Thus, as a large horizontal photo-heliograph, anticipations of its peculiar adaptability are entertained in the work of photographing the fine details of the sun's surface when eclipsed, May 28, 1900. The images of the moon, too, obtained with such a telescope would be more than a foot in diameter, and, even if printed without enlargement, would probably surpass the best photographs yet taken.

Advocates a Fourth Meal.

There is good advice to this people want to grow fat. It is contrary to all early training, but it is full of good common sense, and comes from a prominent physician. His suggestions are as follows: "If you are thin and want to put flesh on your bones, eat before going to bed for the night. Physiology teaches us that there is wasting away of tissue while a person is sleeping as well as when he is awake, and this being so, there should be continuous nourishment. "Food taken at dinner or in the early evening is always digested at the time of retiring, and the activity of the process of assimilation continues until long after we are asleep. If the tissues are not nourished they are pulled down by the wasting process, and as a result sleeplessness ensues. On a full stomach, however, or with some food to sustain the system, there is a building up of the tissue. "There is no need for rest in the digestive organs, provided the quantity of food eaten is not above normal during the twenty-four hours. Too long intervals between meals are bad for the stomach, from the fact that the cessation and resumption of work of the digestive organs tends to enfeeble them. A moderate working of the organs through the twenty-four hours is much more beneficial. I would advise those suffering from insomnia to take something to eat before going to sleep always. A glass of milk and bread, or any digestible food will do."

A Mark of Superiority.

"Wherein does man differ from the lower animals?" asked the professor. And the youth answered without hesitation. "He can ride a bicycle."

THE BRITISH HEN.

A Conference in England to Improve the Poultry-Raising Industry.

Great Britain is the largest egg importing country. No breakfast table is well furnished without eggs, and British hens would give up in despair if it were intimated to them that they ought to supply all the eggs the population can consume. In fact, the number of hens is so very inadequate that over 1,330,000 of eggs, worth \$20,000,000, are imported every year to make up the deficiency in the home supply. Nobody wonders more than the British do themselves why they don't raise more poultry and eggs, and so a poultry conference met at Reading to talk the matter over.

Mr. Walter Long, president of the British board of agriculture, told the delegates that forty-three eggs were imported each year for every man, woman and child in the United Kingdom, and every one of these eggs might just as well be raised at home. He would do all he could to facilitate this desirable result. Some of the delegates said that the poultry farmer might reasonably expect a profit of five shillings a year from the eggs of each hen, and there was no reason why the home production should not be largely increased. Various ways of encouraging the industry were approved.

Among the diversions of the conference was a trip to Baynards in Surrey, where the delegates were conducted over the great poultry-fattening establishment of Mr. C. E. Brooke, who annually sends 36,000 fowls to the London market. This market has some peculiarities which the poultry farmer must take into account. The chicken must be sent to market with its head on, for the buyer will not invest in a fowl whose head has been cut off. The idea is that chickens that are mutilated may possibly have been killed by some animal. It is also important that the chicken should have white or at least light yellow legs, as the poultry buyers object to black legs. There is no good ground for this objection, but consumers will have their way and their whims must be gratified. If chickens with black legs are forced upon the market they bring only about half the price of those with light legs.

The great hen countries of Europe are France, Austria-Hungary, Russia, Italy, Belgium and Denmark, and thus England has plenty of neighbors that are willing to supply her wants. Canada is now trying to get a part of the trade. If China might only be economically tapped for poultry and eggs, that country could beat all creation in the quantity supplied, for that empire has more fowl than any other country in the world.

An Automobile Elopement.

Strange to say it is Berlin that reports the first automobile elopement. It is strange to say for two reasons. The horseless carriage craze has dealt mildly with Prussia's capital, the honest Berliners looking at it with somewhat doubtful approval. In the second place filial obedience ranks very high with these Prussian young men and maidens.

Nevertheless, Herr Gut a'off, a young engineer, and Fraulein Elsa, a daughter of Herr Heinrich, after one futile attempt by rail, succeeded in slipping away from the parental espionage in a borrowed automobile and gaily whizzed to Stettin, where they took a steamer for St. Petersburg and were duly married. From all accounts the ride to Stettin appears to have been a safe and pleasant journey. There was no mounting in hot haste; no fierce pursuit. Pursuit would have been futile. No horse could catch Cupid's heavily-tired express on this memorable wedding journey. And so they went bounding down the level road that leads to Stettin town. One stout arm was stretched to the proper lever, and with the other the young engineer undoubtedly braced up the brave, but slightly teary fraulein.

And so in a pleasing and highly successful manner, for Papa Heinrich has invited the runaways to come back and be forgiven, does the automobile gracefully rumble into a new role. —Motor Vehicle Review.

An Odd Superstition.

Repeated reports have reached the United States of disaffection in the ranks of the Filipinos fighting under Aguinaldo, and their dissatisfaction with his personal treatment of his men. In view of this it has probably occurred to many that it is strange that there are not more desertions among his men. The explanation of this undoubtedly lies in the superstitious nature of the natives.

Their unique beliefs are many, but the most potent in restraining his men from deserting his cause is the belief that is prevalent among them that he bears a charmed life and can not be killed by American bullets. They think he could show himself in the front rank of his army all day without being injured by an American bullet.

The natives themselves may be rendered impervious to American bullets by the simple adoption of a charmed shirt, called the anting anting. It is nothing more nor less than a piece of cotton with a hole for the wearer's head, worn over the shoulders and fastened at the waist. Upon it are cabalistic signs, pictures and writings in four or five different languages, which give the garment its peculiar properties. —Philadelphia Times.

The Jew at the South.

Judaism in this country, certainly in the south, is a religious designation rather than a race distinction. The Jew here in Virginia is as truly and as essentially a Virginian as is the native Gentile. He so regards himself and is so regarded. —Richmond Times.



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Sandow's Advice to Women.

Sandow has been telling London women what he thinks of feminine athletics. He asserts that women can preserve an ideal figure by fresh air and exercise, and by these two factors only. He disapproves entirely of corsets, which he qualifies as tight splints, and he attributes to their use the weakness of the muscles of the back and a susceptibility to lung disease. Naturally he condemns eighteen-inch waists, and prefers the Venus of Milo, with her twenty-four inches of circumference.

But, though he advises outdoor sports, while not considering them as good as the ancient game of ball played by Nausicaa and her maidens, he says that it is the muscles of the trunk which require exercise in order to hinder the increase of embonpoint, and neither cycling, walking nor rowing sufficiently employs these muscles. No woman need fear, he says, to become too muscular, as a layer of adipose tissue is peculiar to her structure, and is really intended to soften the outlines.

Pledged to Marry Only Widows.

There is a bachelors' club in the West whose only rule to which members swear allegiance when they join the club is "Marry a widow." Young girls and old maids alike are barred. One explanation of this rule, given by a member, is "We consider it the part of wisdom to marry some one who has already discovered that men are not angels."

Another member gives this philanthropic reason: "Young girls always have the best chance with their fresh, blooming faces, and we think the widows ought to be given a show, as their lives have been blighted in a measure, as it were. Anyway, they seem to understand a man better." Another view of the case is the fact that anything forbidden suddenly acquires wonderful interest. A lot of bachelors who pledge themselves to marry widows are sure to discover the hitherto unappreciated charms of all the maidens in town."

Luxury For Telephone Girls.

The life of a telephone girl is not altogether a happy one, and if the public have sometimes reason to complain of the invisible operator who fails to put them in immediate connection with their correspondent, the girl has still oftener reason to complain of the public. In Paris the claims of these useful and much maligned public servants have been recognized, and a splendid building has been put up for them by M. Bousnard in the Rue Desrenaudes. It includes every modern comfort and convenience, well-furnished saloons to which the girls may retire for periods of rest, brilliant lighting, varnished walls, and most wonderful of all, all sorts of perfumes will be provided gratis for the refreshment of the weary operators. —London Chronicle.

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Sage Advice.

It is not often that a lawyer gives better advice, and asks no fee for it, than was once given by a certain Irish judge, who must have had both a sense of justice and a sense of humor. A turbulent peasant was a witness in trial before Chief Baron O'Grady. The counsel, after pestering him for some time, put a question to him which reflected on the witness's character. "If ye ax me that again I'll give ye a kick!" was the answer. The counsel appealed to the court, stating that an answer was necessary to his client's case, and ending up with the query: "What would your lordship advise me to do?" "If you are resolved to repeat the question," replied the court, "I'd advise you to move a little from the witness." —Youth's Companion.

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