The Smelting Pot

By ELLA WHEELER WILCOX.

Copyright, 1914, by Star Company. Forth from this great smelting pot. Where all nations are flung in, Shall by Time's strong hand be brought Types to make the whole world kin. Fling them, fling them in, Gold is mingled with the dross; There shall be more gain than loss; North and south and east and west, All shall give us of their best. Destiny controls the pot: Fling them in.

Three centuries of unmixed blood have left Our brave New England Puritans bereft Of impulse and emotion; or afraid To give those tender feeling which God made In all his children any outward sign. They pluck life's grapes, but dare not drink its wine: Face boldly swords, but quail before a kiss; And miss most in not knowing what they miss. They swear by honor, and they cling to duty, But veil their eyes and turn away from beauty, Fearing it may be Pagan. In the fine, Fair faces of their women lurks no sign Of human passion; yet their love will stand Defying death if Duty so command.

Into the clear, cool waters of these souls Year after year Vesuvian lava rolls, Peering beyond the future's rim, I seem To see the new New England in a dream.

Old ever youthful Italy has brought Unto our shores to lure our feet along A merrier pathway, music, dance and song. And she has taught Passion to produce; left a touch of fire On lips too pale; and darkened eyes (as gray As Rocks which guard a calm New England Bay) With smouldering flames, that speak the heart's desire; Rounded the sharp, fine outlines with the grace Of southern contours; and to virtue lent The subtle charm of Latin Temperament.

> A strong new race, A race sublime,

With sterling virtues and soft human hearts, God worshippers and lovers of the arts And devotees of beauty, joy and mirth, That optimistic alchemist old Time Has fashioned for the earth.

All hall the coming stock Of great Vesuvius and Plymouth Rock!

Mystery of the Tide and Moon

By GARRETT P. SERVISS.

"How does it happen that the sun, which astronomers say is thousands (or is it millions) of times greater than the | call the principle of "inverse squares," to as those by the raised moon?"

It is an effect of distance. greater If you compare the apparent sizes of the sun and the moon as you see them in the sky you will perceive that they cover circles of the same magnitude. the sun is about 400 greater in diame-

ter than the moon. But it is also nearly 100 times farther away, and since the apparent, or angular, diameters of bodies inversely with their distance the sun doesn't look any bigger than the

This, however, is not enough to actheir gravitative, or attractive, power.

The sun possesses, 25,500,000 times more to the earth as the moon is it would ex-

its tidal force reduced to 1-400 of what that the force of gravitation varies init would be if it were as near as the verse as the square of the distance, but, moon is? No, that cannot be, for in that on the contrary, it grows out of that law; case the tides raised by the sun would but I have not space here to give a

LADIES' HAIRDRESSING IN LONDON AND PARIS

When I was in Europe this year I chiefly interested in finding a really good shampoo and I found that they gable for ships of heavy burden. never use makeshifts but always some our own American made canthrox shamdition to being perfectly safe and making the hair free from all dandruff, excess oil and dust, it is so simple to get can- waves. throx from any druggist and just disknowing you will then have a preparation that makes the hair not only entirely in the open ocean ten miles high, clean but so fluffy that It appears very

still be 63,750 times raised by the moon. There must be some other law in operation, and in searching for it you may reon, only raises tides less than half as which I have often referred in these ar-According to that principle the clear, beautiful skin. Then, too, I am a attractive force of a body like the sun slave to my hair. To keep it beautiful it varies inversely as the square of distance, Let us try this, and see if it will help us am not doing anything important I keep

> The square of 400 is 160,000. Since this me to do it up loosely and picturesquely made at home after a simple recipe. is to be taken inversely we divide the as though it were just tossed up carethe sun relatively to that of the moon when the two bodies are at the same distance, by 160,000, and the quotient is nearly 160, which shows us that we have not yet found the true law, for the solar tides, instead of being 160 times higher than the lunar ones, are less than half

as high. 400 which represents the distance of the sun as compared with the moon's distance, we cube it, we get 400x400x400-64,-600,000; and this, taken inversely, shows the actual reduction of the sun's tidal power due to its greater distance. As far as mass is concerned, then the sun

is 25,500,000 times more powerful than count for the difference between the the moon in producing tides, and, as far tidal powers of the sun and the moon. as distance is concerned, it is 64,000,000 To explain that we must first consider times less powerful. The final result is their comparative "masses," 1. e., the that the effective tidal force of the moon quantities of matter, or substance, that is about two and a half times greater they respectively contain, and then the than the sun's. The actual proportion is effect of the difference of distance upon somewhat less than that, because we have used round numbers in the calculation, which slightly exaggerate the sun's mass than the moon. If it were as near distance as compared with the moon's. The law that we have just applied, ercise 25,500,000 times as much tidal force viz: that the tidal force varies inversely upon the ocean waters as the moon does. as the cube of the distance of the attracting body, in a very important one But being 400 times farther away than to remember. It does not contradict, as the moon, what is the consequence? Is you might hastily infer, the general law

Instead, let us glance at some of its remarkable consequences. If the distance of the moon from the earth should be diminished to one-half of its present amount the height of the tides would be increased eight-fold. At every flood tide the lower parts of New York City would found both cities so thickly dotted fifty feet in height. If, on the other cially with hairdressing parlors and hair hand, the moon should suddenly retreat goods stores that I wondered if the to twice its present distance, the lunar women ever had time for anything tides would be diminished to one-eighth but care of the hair. Personally I was of their actual height, and not only New York bay, but nearly all the great harbors of the world, would become unnavi-

mathematical explanation of it.

If the moon should approach to oneitem made for shampooing only, and I tenth its present distance (and there is was happily surprised when several in- reason to believe that it was formerly quiries each brought the suggestion that much nearer than that), its tidal force would be increased a thousand-fold, and poo is best. They like it because in ad- nearly the whole surface of the United States, from Atlantic coast to the Rocky mountains, would be inundated by tidal

If the planet Jupiter should approach solve a teaspoonful in a cup of hot water, as near as the moon now is, its tidal force would suffice to raise tidal waves

The story of the tides, and of the part heavy. Canthrox simulates the scalp to that they have played in the evolution healthy action, making the head feel of the earth, the moon, and indeed of good, and the hair look good,-Advertise, the whole universe, is one of the greatest romances of science.

The Price of Beauty

Self-Sacrifice the Main Factor in Retaining Loveliness, Says Pauline Frederick.



ful and there is much talk these days it all so?" "For the outside care of the complexion about natural beauty unadorned, but no And I, thinking of the words of the distance. And make your friendships advocate scrubbing twice a day with a woman who has beauty can afford to sit play, "Eyes like the smoldering crater of with the atmosphere of proper introduclittle brush and plenty of castile soap. I back and do nothing to keep it. And, a volcano, skin like the petals of a have heard people say that the skin furthermore, every woman, no matter gardenia," looked at Miss Frederick, and should never be touched with soap, but how beautiful, is never satisfied, but is was indeed prone to agree with anything I have never been able to do without it. continually thinking of some way in she said. Now it, instead of simply squaring the Of course, it is all a matter of taste, but which she may improve some part of her personally I don't see how anyone can anatomy.

keep the skin of the face clean without "Even though the blessing of beautiful

is shampooed twice a week, and when I a liberal but judicious use of pure soap. hair is a gift of the gods, self-sacrifice of men and women we can in some meas-"Of course, a cold cream is necessary is necessary to keep it as it should be. ure decide if their friendship is one we of good quality and bought of a conit rolled softly on curiers. This helps sometimes. I have all my cold cream To have wonderful eyes means extra sleep at night and a careful nurturing of "This spirit of self-sacrifice must be the eyebrows and eyelashes; to have a 25,500,000, representing the tidal power of lessly and gives the effect I want, but it kept up in a uniform manner concerning beautiful skin means careful eating and Just think of them as part of the landis a care, as everything else about one's all things. A woman may be born beauti- constant effort to keep beautiful. Isn't

People We Pass

BY BEATRICE FAIRFAX.

'I am 23 years old and am deeply in terested in a girl I see each day as I go to work. She smiles at me every morning as we ride down in the subway, but I scarcely dare to speak, as I have never been introduced to her. I do not know any of her friends and have no way of moeting her properly. But I feel that she cares for me, and I'm willing to take a chance. Would you advise me to speak to her?" writes Tom G.

Tom, I advise you most earnestly not to speak to your little smiling lady of the subway. If she is willing to let you meet her without introduction you are sure to feel that she is not just the sort of girl you care to meet in any manner. You will only spoil an innocent idyll and get a sordid adventure if you talk to the girl to whom you are a bit interested.

When you write that you are "willing to take a chance" you express the typical masculine attitude towards the girls a man can meet casually and for the mere effort of introducing himself. You are holding a mental reservation that if she turns out to be ordinary, or stupid, or bold, or in any way objectionable to your taste, you can just manage to ignore her in future. And after you had casually dropped her acquaintance you would proceed to form a cruel judgment of her.

You would wonder if she was a girl of such careless manners and morals that any man might speak to her as inforquaintances. If you saw her with another you would think to yournelf, just the sort for his little sister to meet." will not stand washing.

When you speak to a girt without the rules of any game you are playing. Now that it has no oil supply from the scalp. know both of you, and I feel that you preserve waves of baked or curied hair. ability of the other.

Don't you see it, Tom, and all you boys some one on the street or in the subway and want oh, so much, to know them? Don't you see that it is a great big world and that it has to be run on some principle of "sound business?" You wouldn't go into a business or financial deal with some one of whom you know no more than that they looked attractive, would you? And the people you permit to come into your social life have an influence on things more vital to you than your purse

At best, we know too little of the actual take the actual man and woman for us, overlaid as it is by layers of social vencer. But when we know something about the family and friends and habits

in passing? You can't take a chance. scape you see as the train of life rushes by you. Admire-respectfully and from a tion to bring you mutual esteem and faith for a background to the little pull of interest you feel for a pair of bright eyes.



Madame Ise bell's - Beauty Lesson

This is my pet way of arranging a transformation and it seems new to most hair dressers. One's own hair should be slightly moistened and rolled on kids over night to give it a natural wave. Comb the hair about the face and aboulders, put the transformation on over this, fastening the two ends together in the back and pinning it down with invisible halrpins in front. The next step is to throw back all the hair, the natural over the transformation and arrange it becomingly about the face. The back hair can be arranged high or low as one wishes.

Artificial hair should not, be bought hastily over a counter. Take plenty of time in matching it to your own hair; do this in a strong light and a few days mally as you had. You would begin to after your hair has been shampooed, so question if she was as unprincipled in all the color may be natural. Ask for hair manners as in her method of making ac- that it not dyed and which has been properly "rooted." Rooting hair is boy and you happened to know and like rather a long process and adds to the expense, but hair that has not been prop-"Harry's a nice chap I guess I'd better erly rooted, that is arranged with the roo warn him that the girl he's with is not ends together, will tangle and mat, and

In matching hair choose a plece darker formality of an introduction you break rather than lighter than the natural hair, a rule of the great game of society. And for even the best artificial hair may fade it is not good sporting ethics to break the slightly as time goes on for the reason this is the way society figures: "If some To remedy this deficiency and keep the one who knows two people introduces artificial hair glossy and likelooking, it them, that person takes a bit of moral re- should be frequently treated to a few sponsibility. The introduction says: 'I drops of brilliantine. This will also help Hair often turns gray quicker about the are nice enough folks to be worth-while Hair often turns gray quicker about the acquaintances for each ofter." And face than on the back of the head, and each of the people introduced feels as if this adds another difficulty to the quessome one had stood spensor for the tion of matching artificial hair to the decency and respectability and desir- natural. Shall it match the front or the back hair? It depends on how the hair is dressed, and, as most women of middle and girls and men and women, who pass age or more wear a high coiffure, the best results are obtained when the switch or puffs conform to the shade of the hair about the temple. If the contrast between the hair that grows on the neck and that growing about the face is very startling, artificial hair between the two

False hair, as I have said, is an expense. If not of the past quality, it will be uncomfortable to wear and look artificial. Even the most expensive piece and your success in business. They atfect your reputation, your standard of decency, your standing in the community, goes the tint of the natural hair changes, either growing gray or darkening as time your ideals and finally your life's happiness. horror of the old time false front, of a difsoul of any friend. We are compelled to on to conceal it, and harsh and unbecomgranted and believe in what they show ing to the aging face beneath. Far better unbecoming methods.

> I do not wish to suggest that artificial hair is a dead loss every few years. If scientious hair dealer it will stand a great deal of making over. It can be mixed with new hair of a different shade to change its general tinge, gray hair can be added and in many cases, the switch or transmormation can be successfully dyed. In short to adopt false hair means trouble and expense, it is worth it, if it improves the appearance and makes a

mme Soitell

Advice to Lovelorn By BEATRICE PAIRFAX

personal geauty is.

Have an Understanding.

Dear Miss Fairfax. I met a young man about two years ago and have been with him only four times since. Now, I have had many chances to go with others, but never take them, always turn them down. Now, I am dearly in love with him, and he tells me he loves me, too. I never see him with any other girl. Now, could you advise me what to do? Try and win him or take the other chances?

BROWN EYES.

This young man is not a very ardent lover, or he would have sought you out.

over, or he would have sought you out oftener than four times in two years; that is only once every six months. I do not believe you are doing well to sacrifice all your opportunities for social pleasure because of such a laggard. You would better find out his intentions, and if he is not in earnest, let him go.

Take a Chance.

Dear Miss Fairfax: I am a young man 39 years old. In order to make the most of certain business opportunities I have hitherto denied myself the privilege of marriage. But, of course, I have continued my social activities. I have especially cultivated the frienship of three young ladies, whom I shall call Minerva, Venus and Vesta. Minerva is the proverb lover of the arts—cultured, refined and with a certain strength of beauty and character that I can not help but admire. Venus is a dream, a perfect nympth with her glowing, voluptuous, lovable beauty. Vesta is different—retiring, dainty, trustful and home-loving. All are leaders in their respective cliques. their respective cliques.

Now my problem is: I am almost ideally established in business, and receive a handsome income. I long for a home handsome income. I long for a home

I am by nature of a very affectionate disposition, but my age and practical experience have taught me to control and direct my emotions. Thus I could learn to love and am in a position te make happy either of the three girls to whom I have introduced you. I believe that either of them would listen to my suit if I were to tell that I loved her. But I cannot decide on the girl. They all make their respective appeals. So, Miss Fairfax, I must let you as an instrument of the fates solve the problem. MERCURY.

Such a seventielle yourse and the mother as soon after the event as the mother

this case. If you must have aid, however, been standing on formalities.

I would suggest that you absent yourself from the three young women who are so bleased as to have your favor, and maybe in time your sophisticated heart will tell you which one you most yearn to possess. The rest should be very easy, and yet it might be just as well for you to prepare for the remote contingency of the young lady having a mind of her own and a purpose that doesn't incline to marry you. Perhaps, for the preservation of the present idyllic situation, you had better not venture the test, as it might upset you.

Social Amenities. Dear Miss Fairfax: I'm a giri of 18. 1

am invited to a very swell tea, which is my first appearance to so swell an affair. Now, in case the hostess is not at the door and a lady who is a stranger to me should be at the door, would it be proper for me to give her my card or my name? my name?

Please give me all the information necessary so I don't make an mistakes. Is it proper for me, if I accept the invitation, to answer the invitation, and if I

tation, to answer the invitation, and if I do, proper for me to mention the names of both ladies who invited me.

Please let me know at once, so I can answer in time, if necessary.

I have a friend who has called on me, I returned her call. Then she had a daughter born. She never returned my call. Is it proper for me to call on her first after the baby came or should she return my call? Her baby is a year old and she has never returned my call. Tell me what is proper to do.

If the lady who greets you at the door

If the lady who greets you at the door is a stranger, give her your name, that will be sufficient. It is not only proper, but very necessary that an invitation be acknowledged, whether accepted or delined, in order that the hostess may know what to expect. After being entertained, either formally or informally, it Such a remarkable young man as you was able to receive you. If you care now should not expect the advice of a mere to continue the friendship, make a call woman to be of much service to him in and explain, but do not tell her you have

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