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AFTER. A little time for laughter, A little time to sing, A little time to kiss and cling, And no more kissing after. A little while for scheming, Love's unperfected schemes; A little time for golden dreams; Then no more any dreaming. A little while 'twas given To me to love thy love; Now, like a ghost, alone I move About a ruined heaven. A little time for speaking, Things sweet to say and hear; A time to seek, and find the near; Then no more any seeking. A little time for saying, Words the heart breaks to say; A short sharp time wherein to pray; Then no more need for praying. But long long years to weep in, And comprehend the whole Great grief that desolates my soul, And eternally to sleep in.

A LAST LOOK. They say the years since last we met Have wrought sad change in thee; That it were better to forget Our youth's fond history. And yet I faintly would clasp that hand, Would meet those eyes once more, One moment by thy side would stand, As I have stood of yore. They say the very tones that thrill'd My heart, and dimm'd my eyes, Now, by the cold world's blighting chill'd, I scarce might recognize. And I long to hear thee speak, Repeat some bygone strain, Although the charm I there should seek Were listen'd for in vain. I would not wish the years roll'd back, Could such a choice be mine, Nor filter in the onward track, Though never far from thine. But pilgrims may from hand-won heights Recalling homes survey, And give a sigh to past delights, Yet, sighing—turn away.

THE HUMAN COUNTENANCE.—Professor Smith, of Massachusetts, recently delivered an interesting lecture on the "Human Countenance." In beginning his remarks the Professor said that, in attempting to show how character can be discerned by the face, he had no dogmatic disposition to assert that in the science of physiognomy, noble as it is, all truth is contained. A man's whole character cannot be judged from any one expression. Physiognomy has been carried to excess. Yet it has a great deal that is interesting and useful in its study; and there is no science which cannot be carried by its votaries to an extreme. The face of every man is a history written by his forefathers and himself; it is an open page, from which you may read, if you will. The countenance, remember, exists only when illumined by the soul, which shines through the eyes as light through a window. Having briefly showed the relationship and comparative importance of an ideal standard of beauty, the lecturer dwelt upon the ways in which they are handed down in the peculiarities of race and nation, in spite of the influences which tend toward the assimilation of races, one may still occasionally find the purest type of the Norseman or the Saxon, showing that nature has a tendency to return to original types. Passing to consider individual variations of features, etc., and how they have a bearing on character, Professor Smith showed by drawings the ideal head and face, in which all the parts bear a harmonious relation. Of all the features, the mouth is the most expressive of character, since it is most of all under man's control; but the nose has also a great deal to do with character. The lecturer argued that all great generals had the Roman nose; and most artists and poets the Greek nose; and told in a pleasant way what he conceived to be the character revealed by the nose, and the nose contemplative. The eye was not considered a very important element in determining character; and Professor showed, by an ingenious series of drawings, that the expression of the mouth and nose can greatly change the aspect of the same countenance. The effects of sorrow and sin in changing man's visage were shown in a very interesting way.

THE CROSS OF THE LEGION OF HONOR was considered something worth struggling for in the days of the First Empire, when the red ribbon was the outward sign of the gallant heart, within which it had inspired deeds of high enterprise, but under the Second Empire the number of members of the Order became so great that the Legion of Honor at length ceased almost to confer honor at all. In 1869 the number of members of the Order reached 28,000 and has since gone on increasing. But had as the abuse of the red ribbon was the lavishness with which the celebrated German Order of the Iron Cross has been distributed leaves it altogether in the shade. Since the close of the Franco-Prussian war, no fewer than 44,000 of these rewards have been granted from Berlin, and the honorary value—for intrinsic value it has none—of the Order has been diminished in consequence. To show what little importance is attached to the once celebrated Iron Cross, over one hundred of those decorations are now lying unclaimed in one single department, which received them for hospital attendants. It is easy enough to multiply rank until it ceases to confer honor. Our own issue scattering around of military titles, titles, military or otherwise, that exist the better for the people, and that those which are allowed should be few in number and given only to those to whom the people as a whole delight to honor. A FASHIONABLE visitor thus addressed a little girl: "How do you do, my little dear?" "Very well, I thank you," she replied. The visitor then added, "Now, my dear, you must ask me how I do." The child honestly replied, "I don't want to know."

THE KEELY MOTOR. Unabated confidence in the success of the invention.—The Old Machine still Running. PHILADELPHIA (Pa.) August 27.—At last the people of this country are likely to know something definite in regard to Keely's vapor force. There is now on exhibition in a show window on Chestnut street the great gauge constructed for the purpose of registering Mr. Keely's "power." The gauge has been the subject of comment for some time, and its completion and exhibition are likely to add to the probabilities of success of the motor. It stands about four feet and a half high, and registers 54,000 POUNDS TO THE SQUARE INCH, being the largest gauge in existence. The nearest approach to it was a gauge constructed about one year ago, which registered 26,000 pounds. The present one is beautifully ornamented and plated with silver. It cost \$100, \$500 of which was required to be constructed with it. The inventor claims that it is perfect, and is ready to take oath to the accuracy of the force registers. This is a very important matter, and one to which the public will justly look for accuracy, and which, if there be any trickery about it, will at once put an end to all Keely's hopes. It is stated that the Government has just ordered a similar one to be constructed for its use. The largest Government gauge now is 20,000 pounds to the square inch.

THE NEW MULTIPLICATOR is finished, and appearances are that the public will soon have an opportunity of testing whatever virtue there may be in the discovery. "It may take a month yet," said an official of the company to your correspondent, "before we shall be able to give an exhibition to members of the press. But great progress has been made, notwithstanding what has seemed to be much delay." All that has been made public of the motor was considered premature. The construction of new apparatus for the practical working of the vapor has been attended with difficulties which even Mr. Keel did not foresee. As an instance of this may be noted the fact that at one time it was impossible to use the power with a less pressure than 1000 pounds to the square inch. To obviate this difficulty, Mr. Keely has had constructed a series of receivers, graduated in size and so arranged as to make possible the using of the vapor with any pressure from one pound to 30,000 pounds, to leave the multiplier at its greatest pressure, and is reduced by being passed through these various receivers.

ANOTHER DIFFICULTY was the procuring of material sufficiently compact to withstand the pressure. Most metals are useless because they permit the vapor to pass through the pores. It is stated that when the multiplier was completed and put under the hydraulic press to be tested, several ruptures were caused, through which the water passed. The material at first was wholly of Austrian gun metal. The rupture occurred in two of the upper drums, or spheres. It was necessary to recast them. This time the material used was phosphor bronze, a new metal, said to possess most excellent qualities and to be perfectly compact. The manner of testing the multiplier is to put it under the hydraulic press with a pressure of TEN THOUSAND POUNDS. It is allowed to remain in the press from twenty-four to forty-eight hours, during which time, however, careful watch is kept over the machine. Whenever a leak is discovered men are immediately put to work to hammer the metal at that particular spot. This is the only way it can be secured. Sometimes the leak is discovered by small drops of water similar to the condensed vapor on the outside of a pitcher on a warm day; at other times it comes out in fine spray. The testing and hammering process is still going on, and, until the multiplier is perfectly compact in all its parts, nothing can be accomplished. When his end is gained it will be taken into Mr. Keely's new shop, where a limited number of members of the press will be admitted.

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"DANG IT!" remarked a Sunday school superintendent at the breakfast table the other morning as he helped two half scalded flies over the brink of his coffee cup. The old lady shifted her spectacles to the top of her head and glared at him in astonishment. "Oh, well!" resumed the half pentitent fonder, "It isn't likely that our Heavenly Father is going to punish us for a damn or two in fly time."

SUPREMACY OF LOVE.—For six thousand years God has been lifting the world up toward the realization of love. He has been tempering the spirit of nations. The old idea that "might is right" has been fading away in the atmosphere of love. Arbitration is substituted for the spirit of war. He has been correcting the church, and attuning its various discordant sects to the key of love. He has been bringing up individual human nature. Many have entered into the experience of perfect love; many more are entering. Slowly some of these elements are rising; more rapidly others; but one day, all will be up. Then will be brought to pass the prediction of Isaiah: "The wolf also shall dwell with the kid; and the calf and the young lion and the fatted together; and a little child shall lead them. And the cow and the bear shall feed and their young ones shall lie down together; and the lion shall eat straw like the ox. And the sucking child shall play on the hole of the asp, and the weaned child shall put his hand on the cockatrice den. They shall not hurt nor destroy in all my holy mountains, for the earth shall be full of the knowledge of the Lord, and the waters shall cover the sea." What a picture of concord! The story is told of Mendelssohn, that when a boy he was so proficient with music that he seemed to inspire an instrument whenever his fingers touched it. On one occasion his father took him to an old cathedral, and in the interim of service conducted him to the organ loft and sat him upon the seat of the organist. After instructing him in the use of the stops and pedals, he pumped the bellows while the boy played. Such music had never before been produced upon that organ. The monks from the adjoining monastery came in, one by one, and ascended to the top of the stairway. On reaching the point they were held spell-bound. Well, when that day comes that the world shall be attuned to love, and God shall run his fingers along the key-board, as he is ever doing in his providence, no more shall the harsh notes of discord be heard; but from the old organ of human nature shall go forth music so sweet that the angels and all the hierarchy of heaven will hasten to the confines of this world and stand enraptured by the completeness and richness of the harmony. "He which testifieth these things saith, Surely I come quickly; Amen. Even so, come, Lord Jesus."—G. T. Water.

THE REFLECTION OF LIGHT.—An almost exhaustive historical essay, by Lundquist, on the investigations of earlier physicists into the peculiarities of the light reflected from the surfaces of solid bodies, is supplemented by observations made by himself on the reflection from fuchsin and some other substances. The methods followed by him were similar to those adopted of late years by Jamin, Wiedemann, Van der Willigen, and others. A narrow pencil of sunlight, reflected in a fixed horizontal direction from a heliostat, passes successively through an achromatic lens, a flint-glass prism, and a polarizing Nicol's prism, and falls upon the reflecting surface of fuchsin; the reflected light is then analyzed by a compensator and second Nicol's prism. Rays of light from seven different portions of the spectrum were examined, and in general Lundquist concludes that in respect to the principal angle of incidence, fuchsin compares itself as does indigo; and the observations are represented by the theoretical formulae for metallic reflection so long as the angle of incidence is greater than 50°. The author's investigation into the intensity of the reflected light shows that on the one hand the intensity is always slightly less than that computed, and that on the other hand the quantities reflected vary sensibly with the color of the incident light, so that when white light falls upon the fuchsin the color of the reflected rays varies with the angle of incidence; and the power of the substance to absorb different colored rays offers a remarkable anomaly, as while the yellow light is reflected in greater proportion than the blue, it is absorbed in less proportion.

A SPANISH EXECUTION.—The *Opinion Nationale* has an account of a double execution that took place recently at Barcelona. A maid servant, named Georgia Foix, aided by her lover, Victoriano Urciela, murdered her master, who had made a will in her favor. The judicial investigation and trial lasted no less than three years, and resulted in the condemnation of both the accused, who, according to the custom, were taken on the evening which preceded the execution to a chapel, to remain there until the next morning. There the two convicts were only separated by a curtain, and the woman uttered such loud cries during the night that her accomplice had several times to impose silence on her. The most distinguished ladies of the locality attended the woman to offer their consolations. The man was surrounded by monks. During all that time the boys of the choir, clad in red, yellow, or blue, from head to foot, went through the streets, a savior in one hand and a bell in the other, asking for alms to meet the wants of the condemned prisoners on earth and in heaven; that is to say, the cost of their imprisonment and the performance of masses for their souls. The execution by the garrote took place outside of one of the gates of the city, in a plain, in which the victims were conducted by a long procession of penitents.

THE GREAT \$30,000 RACE.—From *Wills's Spirit of the Times* we learn that the following horses from the East are announced as certain to be entered for the great \$30,000 purse race of four mile heats to be run at San Francisco next November: Springbok, who comes out in charge of Harvey as trainer; Wild Idle, in care of Capt. Moore, with Billy Lakeland as rider; Rutherford and Grinstead, in charge of Albert (who trained Joe Daniels and Hubbard), with Donahue to ride the former; and Bollenkoel in charge of his trainer and owner, W. Jennings. Hennessy comes out to ride Katie Pesse.

TERRESTRIAL MAGNETISM.—If the earth is really a magnet, the magnetism of soft iron ought to be decomposed by it, in the same manner as is done by a bar magnet, and such is the fact. If a bar of soft iron is held in the direction which the magnetic needle assumes when freely suspended, its lower end immediately becomes a north pole, and its upper end a south pole, and is shown by bringing a small magnetic needle near each end of the bar. On inverting the bar, it will be found that its poles have immediately changed, the lower end being again a north pole, and the upper one a south pole. If the bar is held horizontally, east and west, so such effect takes place. When a bar of iron is rendered magnetic by the influence of terrestrial magnetism, a stroke of a hammer will sometimes fix the magnetism, and the poles will not be reversed when the bar is inverted. But if several blows with the hammer be struck when in the inverted position, its magnetism may be destroyed or its poles reversed.

THE WORTH OF FINE MANNERS.—It would be vain as it would be ungracious to combat against the favorable influence of charm of manner. Engaging manners and bright conversation must and will always sway those brought under their attraction, and it is right that they should do so, for they are good qualities, though they may be only natural ones; and the enjoyment of them may be accepted as one of the amenities of our lot, if we meet with them in the order of Providence, and do not go out of our way to put ourselves under their influence. What a catalogue of social virtues it needs to make a man generally beloved—sweetness of temper, good-nature, a yielding will, and ready compliance, a toleration of others' infirmities, and forbearance under small slights and hindrances; sympathy with others' modes of feeling, and delicacy of adaptation. Many a hero—we may add, a saint—is without them, and makes his great cause to suffer from their absence. The reward of his labors is sought in a higher sphere, not in the praise of men; and his greatest admirers have often to become his apostles in the minor details of deportment and manner conscious that he who would sacrifice his life for the sake of the Lord, or for the good of his fellow men, yet failed to make himself agreeable to his personal acquaintances. But because from the infirmity of our nature great interests and high aims often make men regardless of lesser proprieties, let us not esteem the want of them as other than a fault, nor grudge the domestic philanthropist who cheers his neighbors' firesides, who raises their dulled spirits, whose presence brings refreshment with it, who enhances their every-day joys, and sympathizes in the little trials that each day also brings in its train—though it may be only through the impulses of a genial nature—his reward, in his indulgent host of friends in their warm welcomes, hearty praises, affectionate extenuations, tender regrets.—The Christian Remembrancer.

NATIVES OF WESTERN AUSTRALIA.—Mr. John Forrest read lately before the British Anthropological Institute an account of the natives of Western Australia, whom he visited. They are divided into two great tribes, called the Jorderus and the Ballavook, which are again divided into innumerable sub-tribes. These great tribes are exogamous; a Jorderus may not marry a Jorderus; a Ballavook must not marry a Ballavook. Wife-stealing is a constant source of quarreling among them, and the women are frequently speared or killed. If a husband dies, his wife belongs to the oldest man of his family, who either marries her or gives her to some one else. The children always belong to the mother's tribe. These natives do not wash, but grease themselves with ochre to keep away the flies. Tattooing and marking on the shoulder and breast is almost universal among them, and the rite of circumcision is practiced by all the tribes that Mr. Forrest met with, except those of the southwest corner of Australia. It is a religious ceremony, and the men and women part for a fortnight upon the occasion of it. The natives of the interior are entirely without clothing and suffer much from the cold. They sleep in the open air, except in wet weather, when they build small huts. Mr. Forrest believes that they have a sort of belief in a Supreme Being, but can give very little information about him. In the southwest corner of Australia the name for father and mother is the same as for God and son. They do not believe in natural death, but always assume that some other native has been the cause of it, and frequently kill him for it. Cannibalism is common among the natives of the interior; their weapons are identical with those used in other parts of Australia.

BADEN-BADEN.—The French press notes with great satisfaction that Baden, the once brilliant watering place, is now a gloomy and well-nigh deserted spot. The hotel, once full of aristocratic and fashionable celebrities of Europe, are empty; and the promenades and "establishments," which were wont to resound from morning till night with the accents of the most polished language in the world, now echo nothing but the dull grunts of a few heavy Germans. As a proof of the miserable state of Baden since M. Depressor and the French abandoned it, the *Figaro* mentions the impressions the place produced upon a Russian princess who visited it recently. She had not been there since 1869, the year before the war, and unaware of the change that had overtaken it, she had brought with her, as in days of old, two or three score of huge trunks full of dresses. The first day of her stay she changed her toilette six times, the second she did not change it at all, the third she stayed at home in an old dressing-gown, and the fourth she fled.

WHAT IS THE SUN.—Professor Randall, in a lengthy paper on the sun, says: "A molten or white hot mass, 866,000 miles in diameter, equalling in bulk 1,260,000 worlds like our own, having a surrounding ocean of gas or fire, 50,000 miles deep, tongues of flame darting upward more than 50,000 miles, volcanic forces that hurl into the solar atmosphere luminous matter to the height of 160,000 miles, drawing to itself all the worlds belonging to our planet, and holding them all in their proper place; attracting with such superior force the millions of solid and stray masses that are wandering in the fathomless alyse that they rush helplessly toward him and fall into his fiery embrace. And thus he continues his sublime and resistless march through his mighty orbit, having a period of more than 18,000,000 of years."

KENTUCKY HORSE TALK.—A correspondent writes: "The moment you enter the Blue Grass region you hear nothing but horse-talk. The whole section lives upon pedigrees. The stable boys bawled pedigrees in a nomenclature of their own. The men utter pedigrees with a volubility like the flowing of a never-ending stream. Even the ladies of polite society will chatter pedigrees, and talk as fluently of sire and dam as if they had received their accomplishments in the precincts of the breeding portions of the stock farms. Everywhere it is horse, mare, filly, foal, gelding. The stables are swarming with them, the fields are dotted with them like the cattle on a thousand hills, and the visitor, even though he came merely to see, has a secretiveness and obstinacy more profound than the mystery of a sphinx if he does not buy before he comes away some little equine specimen for which he has no earthly use. There is a certain Freemasonry or brotherly love among the horse dealers of Kentucky. If one breeder has nothing in the horse line to answer your demands, he will furnish you with a saddle horse and accompany you for miles around the neighborhood to inspect stock which he is sure will just suit your fancy. Their horses are thrown open to your entertainment. The rarest wine of corn and the freshest of mint, and the richest of Allerey cream, and the tenderest of spring chickens are offered, with a princely generosity, to feed the flame of your horse fever, which must not be allayed till you have left your money behind you as one of the stock farms. This is the logic of all the attentions and pedigrees and horse-enthusiasm, and it is wonderful how the interest is kept up year after year, and how the surplus funds of our wealthy horse fanciers are poured, with an increasing volume, into the coffers of the Blue Grass regions."

THE SAN FRANCISCO MINT'S CAPACITY.—The facilities of the U. S. Mint to turn out gold is at this juncture a matter of special interest. The mint has now on hand \$2,600,000 in gold and \$2,200,000 in silver. Superintendent LeGrange states that the mint can coin gold faster than it can be paid out, the capacity of one press in the institution amounting to ninety \$30 pieces in one minute, or \$180,000 an hour, and about \$1,000,000 in a day's work. The mint has two presses for coining double eagle, both of which could be pressed into service at once if necessary. The mint is now refining 36,000 ounces per day on an average. Yesterday it refined full 40,000 ounces and to-morrow will refine about 50,000 ounces. Gold coin has been turned out this month to the amount of about \$4,000,000, and the mint can pay gold coin for all gold bullion deposits without delay. All its deposits of gold coin are paid for in twenty-four hours, unless the bullion is base and requires remelting—an unusual thing—which would require another day. In short, the coining capacity of the mint is sufficient to handle all the bullion on the coast.—S. F. Times, 28th mt.

A WORD TO BOYS AND YOUNG MEN.—There is no greater mistake a young man can commit than that of being indifferent to the interest of his employer. Try to make your services useful so that your boss cannot do without you, and you will never want a place, and can always make good wages. Be faithful in all things, as well as in great things—be faithful in all things; be attentive to your duties, shirk no employment that is not dishonorable, feel that your employer is entitled to every minute of the time which you have agreed to give him for a stipulated remuneration. The wages may be small—too small, but if you have contracted to work for a dollar a week, when your work is worth ten, stick to your bargain like a man until your term of service has expired. It may seem very hard, but it will instill the great principle of being true to your word, and in time you will become an employer yourself.—Sacramento Times.

A SHARP LEGISLATOR.—A member of the last Ohio General Assembly did this: He bargained for board at the United States Hotel, at Columbus, and arranged that he was to pay fifty cents a meal, and whenever he was absent from a meal he was to be credited to that amount. He then hunted up some consins in the vicinity, an old school-mate, a man who once courted his (the member's) wife, and several other relations, and sponged his living off of them for the larger part of the session. When he settled up with the hotel on the day of adjournment, the landlord was astonished that he owed the thrifty boarder \$76, the amount credited him for absence at meals over that charged for presence at meals. It was a Western reserve man that did it.—Cincinnati Times.

MISTRESS.—"Let you go to evening school, Mary? Why, I thought you my letters fast?" "Well, ma'am, I does know my letters fast, so long's they keeps all in a row, but just as soon as they gets mixed up into words I'm beat."

