

ЭДГАР АЛЛАН ПО

THE WORKS OF EDGAR
ALLAN POE — VOLUME 2

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The Works of Edgar Allan Poe — Volume 2:

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Edgar Allan Poe

The Works of Edgar Allan Poe — Volume 2

THE PURLOINED LETTER

Nil sapientiae odiosius acumine nimio.
Seneca.

At Paris, just after dark one gusty evening in the autumn of 18-, I was enjoying the twofold luxury of meditation and a meerschaum, in company with my friend C. Auguste Dupin, in his little back library, or book-closet, au troisième, No. 33, Rue Dunôt, Faubourg St. Germain. For one hour at least we had maintained a profound silence; while each, to any casual observer, might have seemed intently and exclusively occupied with the curling eddies of smoke that oppressed the atmosphere of the chamber. For myself, however, I was mentally discussing certain topics which had formed matter for conversation between us at an earlier period of the evening; I mean the affair of the Rue Morgue, and the mystery attending the murder of Marie Rogêt. I looked upon it, therefore, as something of a coincidence, when the door of our apartment was thrown open and admitted our old

acquaintance, Monsieur G — , the Prefect of the Parisian police.

We gave him a hearty welcome; for there was nearly half as much of the entertaining as of the contemptible about the man, and we had not seen him for several years. We had been sitting in the dark, and Dupin now arose for the purpose of lighting a lamp, but sat down again, without doing so, upon G.'s saying that he had called to consult us, or rather to ask the opinion of my friend, about some official business which had occasioned a great deal of trouble.

“If it is any point requiring reflection,” observed Dupin, as he forebore to enkindle the wick, “we shall examine it to better purpose in the dark.”

“That is another of your odd notions,” said the Prefect, who had a fashion of calling every thing “odd” that was beyond his comprehension, and thus lived amid an absolute legion of “oddities.”

“Very true,” said Dupin, as he supplied his visiter with a pipe, and rolled towards him a comfortable chair.

“And what is the difficulty now?” I asked. “Nothing more in the assassination way, I hope?”

“Oh no; nothing of that nature. The fact is, the business is very simple indeed, and I make no doubt that we can manage it sufficiently well ourselves; but then I thought Dupin would like to hear the details of it, because it is so excessively odd.”

“Simple and odd,” said Dupin.

“Why, yes; and not exactly that, either. The fact is, we have

all been a good deal puzzled because the affair is so simple, and yet baffles us altogether.”

“Perhaps it is the very simplicity of the thing which puts you at fault,” said my friend.

“What nonsense you do talk!” replied the Prefect, laughing heartily.

“Perhaps the mystery is a little too plain,” said Dupin.

“Oh, good heavens! who ever heard of such an idea?”

“A little too self-evident.”

“Ha! ha! ha — ha! ha! ha! — ho! ho! ho!” roared our visiter, profoundly amused, “oh, Dupin, you will be the death of me yet!”

“And what, after all, is the matter on hand?” I asked.

“Why, I will tell you,” replied the Prefect, as he gave a long, steady and contemplative puff, and settled himself in his chair. “I will tell you in a few words; but, before I begin, let me caution you that this is an affair demanding the greatest secrecy, and that I should most probably lose the position I now hold, were it known that I confided it to any one.”

“Proceed,” said I.

“Or not,” said Dupin.

“Well, then; I have received personal information, from a very high quarter, that a certain document of the last importance, has been purloined from the royal apartments. The individual who purloined it is known; this beyond a doubt; he was seen to take it. It is known, also, that it still remains in his possession.”

“How is this known?” asked Dupin.

“It is clearly inferred,” replied the Prefect, “from the nature of the document, and from the non-appearance of certain results which would at once arise from its passing out of the robber’s possession; that is to say, from his employing it as he must design in the end to employ it.”

“Be a little more explicit,” I said.

“Well, I may venture so far as to say that the paper gives its holder a certain power in a certain quarter where such power is immensely valuable.” The Prefect was fond of the cant of diplomacy.

“Still I do not quite understand,” said Dupin.

“No? Well; the disclosure of the document to a third person, who shall be nameless, would bring in question the honor of a personage of most exalted station; and this fact gives the holder of the document an ascendancy over the illustrious personage whose honor and peace are so jeopardized.”

“But this ascendancy,” I interposed, “would depend upon the robber’s knowledge of the loser’s knowledge of the robber. Who would dare — ”

“The thief,” said G., “is the Minister D — , who dares all things, those unbecoming as well as those becoming a man. The method of the theft was not less ingenious than bold. The document in question — a letter, to be frank — had been received by the personage robbed while alone in the royal boudoir. During its perusal she was suddenly interrupted by the entrance of the other exalted personage from whom especially

it was her wish to conceal it. After a hurried and vain endeavor to thrust it in a drawer, she was forced to place it, open as it was, upon a table. The address, however, was uppermost, and, the contents thus unexposed, the letter escaped notice. At this juncture enters the Minister D — . His lynx eye immediately perceives the paper, recognises the handwriting of the address, observes the confusion of the personage addressed, and fathoms her secret. After some business transactions, hurried through in his ordinary manner, he produces a letter somewhat similar to the one in question, opens it, pretends to read it, and then places it in close juxtaposition to the other. Again he converses, for some fifteen minutes, upon the public affairs. At length, in taking leave, he takes also from the table the letter to which he had no claim. Its rightful owner saw, but, of course, dared not call attention to the act, in the presence of the third personage who stood at her elbow. The minister decamped; leaving his own letter — one of no importance — upon the table.”

“Here, then,” said Dupin to me, “you have precisely what you demand to make the ascendancy complete — the robber’s knowledge of the loser’s knowledge of the robber.”

“Yes,” replied the Prefect; “and the power thus attained has, for some months past, been wielded, for political purposes, to a very dangerous extent. The personage robbed is more thoroughly convinced, every day, of the necessity of reclaiming her letter. But this, of course, cannot be done openly. In fine, driven to despair, she has committed the matter to me.”

“Than whom,” said Dupin, amid a perfect whirlwind of smoke, “no more sagacious agent could, I suppose, be desired, or even imagined.”

“You flatter me,” replied the Prefect; “but it is possible that some such opinion may have been entertained.”

“It is clear,” said I, “as you observe, that the letter is still in possession of the minister; since it is this possession, and not any employment of the letter, which bestows the power. With the employment the power departs.”

“True,” said G.; “and upon this conviction I proceeded. My first care was to make thorough search of the minister’s hotel; and here my chief embarrassment lay in the necessity of searching without his knowledge. Beyond all things, I have been warned of the danger which would result from giving him reason to suspect our design.”

“But,” said I, “you are quite *au fait* in these investigations. The Parisian police have done this thing often before.”

“O yes; and for this reason I did not despair. The habits of the minister gave me, too, a great advantage. He is frequently absent from home all night. His servants are by no means numerous. They sleep at a distance from their master’s apartment, and, being chiefly Neapolitans, are readily made drunk. I have keys, as you know, with which I can open any chamber or cabinet in Paris. For three months a night has not passed, during the greater part of which I have not been engaged, personally, in ransacking the D — Hotel. My honor is interested, and, to mention a great

secret, the reward is enormous. So I did not abandon the search until I had become fully satisfied that the thief is a more astute man than myself. I fancy that I have investigated every nook and corner of the premises in which it is possible that the paper can be concealed.”

“But is it not possible,” I suggested, “that although the letter may be in possession of the minister, as it unquestionably is, he may have concealed it elsewhere than upon his own premises?”

“This is barely possible,” said Dupin. “The present peculiar condition of affairs at court, and especially of those intrigues in which D — is known to be involved, would render the instant availability of the document — its susceptibility of being produced at a moment’s notice — a point of nearly equal importance with its possession.”

“Its susceptibility of being produced?” said I.

“That is to say, of being destroyed,” said Dupin.

“True,” I observed; “the paper is clearly then upon the premises. As for its being upon the person of the minister, we may consider that as out of the question.”

“Entirely,” said the Prefect. “He has been twice waylaid, as if by footpads, and his person rigorously searched under my own inspection.”

“You might have spared yourself this trouble,” said Dupin. “D — , I presume, is not altogether a fool, and, if not, must have anticipated these waylayings, as a matter of course.”

“Not altogether a fool,” said G., “but then he’s a poet, which

I take to be only one remove from a fool.”

“True,” said Dupin, after a long and thoughtful whiff from his meerschaum, “although I have been guilty of certain doggrel myself.”

“Suppose you detail,” said I, “the particulars of your search.”

“Why the fact is, we took our time, and we searched every where. I have had long experience in these affairs. I took the entire building, room by room; devoting the nights of a whole week to each. We examined, first, the furniture of each apartment. We opened every possible drawer; and I presume you know that, to a properly trained police agent, such a thing as a secret drawer is impossible. Any man is a dolt who permits a ‘secret’ drawer to escape him in a search of this kind. The thing is so plain. There is a certain amount of bulk — of space — to be accounted for in every cabinet. Then we have accurate rules. The fiftieth part of a line could not escape us. After the cabinets we took the chairs. The cushions we probed with the fine long needles you have seen me employ. From the tables we removed the tops.”

“Why so?”

“Sometimes the top of a table, or other similarly arranged piece of furniture, is removed by the person wishing to conceal an article; then the leg is excavated, the article deposited within the cavity, and the top replaced. The bottoms and tops of bedposts are employed in the same way.”

“But could not the cavity be detected by sounding?” I asked.

“By no means, if, when the article is deposited, a sufficient wadding of cotton be placed around it. Besides, in our case, we were obliged to proceed without noise.”

“But you could not have removed — you could not have taken to pieces all articles of furniture in which it would have been possible to make a deposit in the manner you mention. A letter may be compressed into a thin spiral roll, not differing much in shape or bulk from a large knitting-needle, and in this form it might be inserted into the rung of a chair, for example. You did not take to pieces all the chairs?”

“Certainly not; but we did better — we examined the rungs of every chair in the hotel, and, indeed the jointings of every description of furniture, by the aid of a most powerful microscope. Had there been any traces of recent disturbance we should not have failed to detect it instantly. A single grain of gimlet-dust, for example, would have been as obvious as an apple. Any disorder in the glueing — any unusual gaping in the joints — would have sufficed to insure detection.”

“I presume you looked to the mirrors, between the boards and the plates, and you probed the beds and the bed-clothes, as well as the curtains and carpets.”

“That of course; and when we had absolutely completed every particle of the furniture in this way, then we examined the house itself. We divided its entire surface into compartments, which we numbered, so that none might be missed; then we scrutinized each individual square inch throughout the premises, including

the two houses immediately adjoining, with the microscope, as before.”

“The two houses adjoining!” I exclaimed; “you must have had a great deal of trouble.”

“We had; but the reward offered is prodigious!”

“You include the grounds about the houses?”

“All the grounds are paved with brick. They gave us comparatively little trouble. We examined the moss between the bricks, and found it undisturbed.”

“You looked among D — ‘s papers, of course, and into the books of the library?”

“Certainly; we opened every package and parcel; we not only opened every book, but we turned over every leaf in each volume, not contenting ourselves with a mere shake, according to the fashion of some of our police officers. We also measured the thickness of every book-cover, with the most accurate admeasurement, and applied to each the most jealous scrutiny of the microscope. Had any of the bindings been recently meddled with, it would have been utterly impossible that the fact should have escaped observation. Some five or six volumes, just from the hands of the binder, we carefully probed, longitudinally, with the needles.”

“You explored the floors beneath the carpets?”

“Beyond doubt. We removed every carpet, and examined the boards with the microscope.”

“And the paper on the walls?”

“Yes.”

“You looked into the cellars?”

“We did.”

“Then,” I said, “you have been making a miscalculation, and the letter is not upon the premises, as you suppose.”

“I fear you are right there,” said the Prefect. “And now, Dupin, what would you advise me to do?”

“To make a thorough re-search of the premises.”

“That is absolutely needless,” replied G — . “I am not more sure that I breathe than I am that the letter is not at the Hotel.”

“I have no better advice to give you,” said Dupin. “You have, of course, an accurate description of the letter?”

“Oh yes!” — And here the Prefect, producing a memorandum-book proceeded to read aloud a minute account of the internal, and especially of the external appearance of the missing document. Soon after finishing the perusal of this description, he took his departure, more entirely depressed in spirits than I had ever known the good gentleman before. In about a month afterwards he paid us another visit, and found us occupied very nearly as before. He took a pipe and a chair and entered into some ordinary conversation. At length I said, —

“Well, but G — , what of the purloined letter? I presume you have at last made up your mind that there is no such thing as overreaching the Minister?”

“Confound him, say I — yes; I made the re-examination, however, as Dupin suggested — but it was all labor lost, as I knew

it would be.”

“How much was the reward offered, did you say?” asked Dupin.

“Why, a very great deal — a very liberal reward — I don’t like to say how much, precisely; but one thing I will say, that I wouldn’t mind giving my individual check for fifty thousand francs to any one who could obtain me that letter. The fact is, it is becoming of more and more importance every day; and the reward has been lately doubled. If it were trebled, however, I could do no more than I have done.”

“Why, yes,” said Dupin, drawlingly, between the whiffs of his meerschaum, “I really — think, G — , you have not exerted yourself — to the utmost in this matter. You might — do a little more, I think, eh?”

“How? — in what way?”

“Why — puff, puff — you might — puff, puff — employ counsel in the matter, eh? — puff, puff, puff. Do you remember the story they tell of Abernethy?”

“No; hang Abernethy!”

“To be sure! hang him and welcome. But, once upon a time, a certain rich miser conceived the design of spunging upon this Abernethy for a medical opinion. Getting up, for this purpose, an ordinary conversation in a private company, he insinuated his case to the physician, as that of an imaginary individual.

“‘We will suppose,’ said the miser, ‘that his symptoms are such and such; now, doctor, what would you have directed him to

take?

“Take!” said Abernethy, ‘why, take advice, to be sure.’”

“But,” said the Prefect, a little discomposed, “I am perfectly willing to take advice, and to pay for it. I would really give fifty thousand francs to any one who would aid me in the matter.”

“In that case,” replied Dupin, opening a drawer, and producing a check-book, “you may as well fill me up a check for the amount mentioned. When you have signed it, I will hand you the letter.”

I was astounded. The Prefect appeared absolutely thunder-stricken. For some minutes he remained speechless and motionless, looking incredulously at my friend with open mouth, and eyes that seemed starting from their sockets; then, apparently recovering himself in some measure, he seized a pen, and after several pauses and vacant stares, finally filled up and signed a check for fifty thousand francs, and handed it across the table to Dupin. The latter examined it carefully and deposited it in his pocket-book; then, unlocking an escritoire, took thence a letter and gave it to the Prefect. This functionary grasped it in a perfect agony of joy, opened it with a trembling hand, cast a rapid glance at its contents, and then, scrambling and struggling to the door, rushed at length unceremoniously from the room and from the house, without having uttered a syllable since Dupin had requested him to fill up the check.

When he had gone, my friend entered into some explanations.

“The Parisian police,” he said, “are exceedingly able in their way. They are persevering, ingenious, cunning, and thoroughly

versed in the knowledge which their duties seem chiefly to demand. Thus, when G — detailed to us his mode of searching the premises at the Hotel D — , I felt entire confidence in his having made a satisfactory investigation — so far as his labors extended.”

“So far as his labors extended?” said I.

“Yes,” said Dupin. “The measures adopted were not only the best of their kind, but carried out to absolute perfection. Had the letter been deposited within the range of their search, these fellows would, beyond a question, have found it.”

I merely laughed — but he seemed quite serious in all that he said.

“The measures, then,” he continued, “were good in their kind, and well executed; their defect lay in their being inapplicable to the case, and to the man. A certain set of highly ingenious resources are, with the Prefect, a sort of Procrustean bed, to which he forcibly adapts his designs. But he perpetually errs by being too deep or too shallow, for the matter in hand; and many a schoolboy is a better reasoner than he. I knew one about eight years of age, whose success at guessing in the game of ‘even and odd’ attracted universal admiration. This game is simple, and is played with marbles. One player holds in his hand a number of these toys, and demands of another whether that number is even or odd. If the guess is right, the guesser wins one; if wrong, he loses one. The boy to whom I allude won all the marbles of the school. Of course he had some principle of guessing; and this

lay in mere observation and admeasurement of the astuteness of his opponents. For example, an arrant simpleton is his opponent, and, holding up his closed hand, asks, 'are they even or odd?' Our schoolboy replies, 'odd,' and loses; but upon the second trial he wins, for he then says to himself, 'the simpleton had them even upon the first trial, and his amount of cunning is just sufficient to make him have them odd upon the second; I will therefore guess odd;' — he guesses odd, and wins. Now, with a simpleton a degree above the first, he would have reasoned thus: 'This fellow finds that in the first instance I guessed odd, and, in the second, he will propose to himself, upon the first impulse, a simple variation from even to odd, as did the first simpleton; but then a second thought will suggest that this is too simple a variation, and finally he will decide upon putting it even as before. I will therefore guess even;' — he guesses even, and wins. Now this mode of reasoning in the schoolboy, whom his fellows termed 'lucky,' — what, in its last analysis, is it?"

"It is merely," I said, "an identification of the reasoner's intellect with that of his opponent."

"It is," said Dupin; "and, upon inquiring of the boy by what means he effected the thorough identification in which his success consisted, I received answer as follows: 'When I wish to find out how wise, or how stupid, or how good, or how wicked is any one, or what are his thoughts at the moment, I fashion the expression of my face, as accurately as possible, in accordance with the expression of his, and then wait to see what

thoughts or sentiments arise in my mind or heart, as if to match or correspond with the expression.’ This response of the schoolboy lies at the bottom of all the spurious profundity which has been attributed to Rochefoucault, to La Bougive, to Machiavelli, and to Campanella.”

“And the identification,” I said, “of the reasoner’s intellect with that of his opponent, depends, if I understand you aright, upon the accuracy with which the opponent’s intellect is admeasured.”

“For its practical value it depends upon this,” replied Dupin; “and the Prefect and his cohort fail so frequently, first, by default of this identification, and, secondly, by ill-admeasurement, or rather through non-admeasurement, of the intellect with which they are engaged. They consider only their own ideas of ingenuity; and, in searching for anything hidden, advert only to the modes in which they would have hidden it. They are right in this much — that their own ingenuity is a faithful representative of that of the mass; but when the cunning of the individual felon is diverse in character from their own, the felon foils them, of course. This always happens when it is above their own, and very usually when it is below. They have no variation of principle in their investigations; at best, when urged by some unusual emergency — by some extraordinary reward — they extend or exaggerate their old modes of practice, without touching their principles. What, for example, in this case of D — , has been done to vary the principle of action? What is all this boring, and

probing, and sounding, and scrutinizing with the microscope and dividing the surface of the building into registered square inches — what is it all but an exaggeration of the application of the one principle or set of principles of search, which are based upon the one set of notions regarding human ingenuity, to which the Prefect, in the long routine of his duty, has been accustomed? Do you not see he has taken it for granted that all men proceed to conceal a letter, — not exactly in a gimlet hole bored in a chair-leg — but, at least, in some out-of-the-way hole or corner suggested by the same tenor of thought which would urge a man to secrete a letter in a gimlet-hole bored in a chair-leg? And do you not see also, that such *recherchés* nooks for concealment are adapted only for ordinary occasions, and would be adopted only by ordinary intellects; for, in all cases of concealment, a disposal of the article concealed — a disposal of it in this *recherché* manner, — is, in the very first instance, presumable and presumed; and thus its discovery depends, not at all upon the acumen, but altogether upon the mere care, patience, and determination of the seekers; and where the case is of importance — or, what amounts to the same thing in the policial eyes, when the reward is of magnitude, — the qualities in question have never been known to fail. You will now understand what I meant in suggesting that, had the purloined letter been hidden any where within the limits of the Prefect's examination — in other words, had the principle of its concealment been comprehended within the principles of the Prefect — its discovery would have been

a matter altogether beyond question. This functionary, however, has been thoroughly mystified; and the remote source of his defeat lies in the supposition that the Minister is a fool, because he has acquired renown as a poet. All fools are poets; this the Prefect feels; and he is merely guilty of a non distributio medii in thence inferring that all poets are fools.”

“But is this really the poet?” I asked. “There are two brothers, I know; and both have attained reputation in letters. The Minister I believe has written learnedly on the Differential Calculus. He is a mathematician, and no poet.”

“You are mistaken; I know him well; he is both. As poet and mathematician, he would reason well; as mere mathematician, he could not have reasoned at all, and thus would have been at the mercy of the Prefect.”

“You surprise me,” I said, “by these opinions, which have been contradicted by the voice of the world. You do not mean to set at naught the well-digested idea of centuries. The mathematical reason has long been regarded as the reason par excellence.”

“Il y a à parièr,” replied Dupin, quoting from Chamfort, “que toute idée publique, toute convention reçue est une sottise, car elle a convenue au plus grand nombre.” The mathematicians, I grant you, have done their best to promulgate the popular error to which you allude, and which is none the less an error for its promulgation as truth. With an art worthy a better cause, for example, they have insinuated the term ‘analysis’ into application to algebra. The French are the originators of this particular

deception; but if a term is of any importance — if words derive any value from applicability — then ‘analysis’ conveys ‘algebra’ about as much as, in Latin, ‘ambitus’ implies ‘ambition,’ ‘religio’ ‘religion,’ or ‘homines honesti,’ a set of honorablemen.”

“You have a quarrel on hand, I see,” said I, “with some of the algebraists of Paris; but proceed.”

“I dispute the availability, and thus the value, of that reason which is cultivated in any especial form other than the abstractly logical. I dispute, in particular, the reason educed by mathematical study. The mathematics are the science of form and quantity; mathematical reasoning is merely logic applied to observation upon form and quantity. The great error lies in supposing that even the truths of what is called pure algebra, are abstract or general truths. And this error is so egregious that I am confounded at the universality with which it has been received. Mathematical axioms are not axioms of general truth. What is true of relation — of form and quantity — is often grossly false in regard to morals, for example. In this latter science it is very usually untrue that the aggregated parts are equal to the whole. In chemistry also the axiom fails. In the consideration of motive it fails; for two motives, each of a given value, have not, necessarily, a value when united, equal to the sum of their values apart. There are numerous other mathematical truths which are only truths within the limits of relation. But the mathematician argues, from his finite truths, through habit, as if they were of an absolutely general applicability — as the world indeed imagines them to be.

Bryant, in his very learned 'Mythology,' mentions an analogous source of error, when he says that 'although the Pagan fables are not believed, yet we forget ourselves continually, and make inferences from them as existing realities.' With the algebraists, however, who are Pagans themselves, the 'Pagan fables' are believed, and the inferences are made, not so much through lapse of memory, as through an unaccountable addling of the brains. In short, I never yet encountered the mere mathematician who could be trusted out of equal roots, or one who did not clandestinely hold it as a point of his faith that x^2+px was absolutely and unconditionally equal to q . Say to one of these gentlemen, by way of experiment, if you please, that you believe occasions may occur where x^2+px is not altogether equal to q , and, having made him understand what you mean, get out of his reach as speedily as convenient, for, beyond doubt, he will endeavor to knock you down.

"I mean to say," continued Dupin, while I merely laughed at his last observations, "that if the Minister had been no more than a mathematician, the Prefect would have been under no necessity of giving me this check. I know him, however, as both mathematician and poet, and my measures were adapted to his capacity, with reference to the circumstances by which he was surrounded. I knew him as a courtier, too, and as a bold intrigant. Such a man, I considered, could not fail to be aware of the ordinary policial modes of action. He could not have failed to anticipate — and events have proved that he did not fail

to anticipate — the waylayings to which he was subjected. He must have foreseen, I reflected, the secret investigations of his premises. His frequent absences from home at night, which were hailed by the Prefect as certain aids to his success, I regarded only as ruses, to afford opportunity for thorough search to the police, and thus the sooner to impress them with the conviction to which G — , in fact, did finally arrive — the conviction that the letter was not upon the premises. I felt, also, that the whole train of thought, which I was at some pains in detailing to you just now, concerning the invariable principle of policial action in searches for articles concealed — I felt that this whole train of thought would necessarily pass through the mind of the Minister. It would imperatively lead him to despise all the ordinary nooks of concealment. He could not, I reflected, be so weak as not to see that the most intricate and remote recess of his hotel would be as open as his commonest closets to the eyes, to the probes, to the gimlets, and to the microscopes of the Prefect. I saw, in fine, that he would be driven, as a matter of course, to simplicity, if not deliberately induced to it as a matter of choice. You will remember, perhaps, how desperately the Prefect laughed when I suggested, upon our first interview, that it was just possible this mystery troubled him so much on account of its being so very self-evident.”

“Yes,” said I, “I remember his merriment well. I really thought he would have fallen into convulsions.”

“The material world,” continued Dupin, “abounds with very

strict analogies to the immaterial; and thus some color of truth has been given to the rhetorical dogma, that metaphor, or simile, may be made to strengthen an argument, as well as to embellish a description. The principle of the *vis inertiae*, for example, seems to be identical in physics and metaphysics. It is not more true in the former, that a large body is with more difficulty set in motion than a smaller one, and that its subsequent momentum is commensurate with this difficulty, than it is, in the latter, that intellects of the vaster capacity, while more forcible, more constant, and more eventful in their movements than those of inferior grade, are yet the less readily moved, and more embarrassed and full of hesitation in the first few steps of their progress. Again: have you ever noticed which of the street signs, over the shop-doors, are the most attractive of attention?"

"I have never given the matter a thought," I said.

"There is a game of puzzles," he resumed, "which is played upon a map. One party playing requires another to find a given word — the name of town, river, state or empire — any word, in short, upon the motley and perplexed surface of the chart. A novice in the game generally seeks to embarrass his opponents by giving them the most minutely lettered names; but the adept selects such words as stretch, in large characters, from one end of the chart to the other. These, like the over-largely lettered signs and placards of the street, escape observation by dint of being excessively obvious; and here the physical oversight is precisely analogous with the moral inapprehension by which the intellect

suffers to pass unnoticed those considerations which are too obtrusively and too palpably self-evident. But this is a point, it appears, somewhat above or beneath the understanding of the Prefect. He never once thought it probable, or possible, that the Minister had deposited the letter immediately beneath the nose of the whole world, by way of best preventing any portion of that world from perceiving it.

“But the more I reflected upon the daring, dashing, and discriminating ingenuity of D — ; upon the fact that the document must always have been at hand, if he intended to use it to good purpose; and upon the decisive evidence, obtained by the Prefect, that it was not hidden within the limits of that dignitary’s ordinary search — the more satisfied I became that, to conceal this letter, the Minister had resorted to the comprehensive and sagacious expedient of not attempting to conceal it at all.

“Full of these ideas, I prepared myself with a pair of green spectacles, and called one fine morning, quite by accident, at the Ministerial hotel. I found D — at home, yawning, lounging, and dawdling, as usual, and pretending to be in the last extremity of ennui. He is, perhaps, the most really energetic human being now alive — but that is only when nobody sees him.

“To be even with him, I complained of my weak eyes, and lamented the necessity of the spectacles, under cover of which I cautiously and thoroughly surveyed the whole apartment, while seemingly intent only upon the conversation of my host.

“I paid especial attention to a large writing-table near which he

sat, and upon which lay confusedly, some miscellaneous letters and other papers, with one or two musical instruments and a few books. Here, however, after a long and very deliberate scrutiny, I saw nothing to excite particular suspicion.

“At length my eyes, in going the circuit of the room, fell upon a trumpery fillagree card-rack of pasteboard, that hung dangling by a dirty blue ribbon, from a little brass knob just beneath the middle of the mantel-piece. In this rack, which had three or four compartments, were five or six visiting cards and a solitary letter. This last was much soiled and crumpled. It was torn nearly in two, across the middle — as if a design, in the first instance, to tear it entirely up as worthless, had been altered, or stayed, in the second. It had a large black seal, bearing the D — cipher very conspicuously, and was addressed, in a diminutive female hand, to D — , the minister, himself. It was thrust carelessly, and even, as it seemed, contemptuously, into one of the uppermost divisions of the rack.

“No sooner had I glanced at this letter, than I concluded it to be that of which I was in search. To be sure, it was, to all appearance, radically different from the one of which the Prefect had read us so minute a description. Here the seal was large and black, with the D — cipher; there it was small and red, with the ducal arms of the S — family. Here, the address, to the Minister, diminutive and feminine; there the superscription, to a certain royal personage, was markedly bold and decided; the size alone formed a point of correspondence. But, then, the

radicalness of these differences, which was excessive; the dirt; the soiled and torn condition of the paper, so inconsistent with the true methodical habits of D — , and so suggestive of a design to delude the beholder into an idea of the worthlessness of the document; these things, together with the hyper-obtrusive situation of this document, full in the view of every visiter, and thus exactly in accordance with the conclusions to which I had previously arrived; these things, I say, were strongly corroborative of suspicion, in one who came with the intention to suspect.

“I protracted my visit as long as possible, and, while I maintained a most animated discussion with the Minister upon a topic which I knew well had never failed to interest and excite him, I kept my attention really riveted upon the letter. In this examination, I committed to memory its external appearance and arrangement in the rack; and also fell, at length, upon a discovery which set at rest whatever trivial doubt I might have entertained. In scrutinizing the edges of the paper, I observed them to be more chafed than seemed necessary. They presented the broken appearance which is manifested when a stiff paper, having been once folded and pressed with a folder, is refolded in a reversed direction, in the same creases or edges which had formed the original fold. This discovery was sufficient. It was clear to me that the letter had been turned, as a glove, inside out, re-directed, and re-sealed. I bade the Minister good morning, and took my departure at once, leaving a gold snuff-box upon the table.

“The next morning I called for the snuff-box, when we resumed, quite eagerly, the conversation of the preceding day. While thus engaged, however, a loud report, as if of a pistol, was heard immediately beneath the windows of the hotel, and was succeeded by a series of fearful screams, and the shoutings of a terrified mob. D — rushed to a casement, threw it open, and looked out. In the meantime, I stepped to the card-rack, took the letter, put it in my pocket, and replaced it by a fac-simile, (so far as regards externals,) which I had carefully prepared at my lodgings — imitating the D — cipher, very readily, by means of a seal formed of bread.

“The disturbance in the street had been occasioned by the frantic behavior of a man with a musket. He had fired it among a crowd of women and children. It proved, however, to have been without ball, and the fellow was suffered to go his way as a lunatic or a drunkard. When he had gone, D — came from the window, whither I had followed him immediately upon securing the object in view. Soon afterwards I bade him farewell. The pretended lunatic was a man in my own pay.”

“But what purpose had you,” I asked, “in replacing the letter by a fac-simile? Would it not have been better, at the first visit, to have seized it openly, and departed?”

“D — ,” replied Dupin, “is a desperate man, and a man of nerve. His hotel, too, is not without attendants devoted to his interests. Had I made the wild attempt you suggest, I might never have left the Ministerial presence alive. The good people of Paris

might have heard of me no more. But I had an object apart from these considerations. You know my political prepossessions. In this matter, I act as a partisan of the lady concerned. For eighteen months the Minister has had her in his power. She has now him in hers — since, being unaware that the letter is not in his possession, he will proceed with his exactions as if it was. Thus will he inevitably commit himself, at once, to his political destruction. His downfall, too, will not be more precipitate than awkward. It is all very well to talk about the *facilis descensus Averni*; but in all kinds of climbing, as Catalani said of singing, it is far more easy to get up than to come down. In the present instance I have no sympathy — at least no pity — for him who descends. He is that *monstrum horrendum*, an unprincipled man of genius. I confess, however, that I should like very well to know the precise character of his thoughts, when, being defied by her whom the Prefect terms ‘a certain personage’ he is reduced to opening the letter which I left for him in the card-rack.”

“How? did you put any thing particular in it?”

“Why — it did not seem altogether right to leave the interior blank — that would have been insulting. D — , at Vienna once, did me an evil turn, which I told him, quite good-humoredly, that I should remember. So, as I knew he would feel some curiosity in regard to the identity of the person who had outwitted him, I thought it a pity not to give him a clue. He is well acquainted with my MS., and I just copied into the middle of the blank sheet the words —

“ — Un dessein si funeste, S’il n’est digne d’Atrée, est digne de Thyeste. They are to be found in Crebillon’s ‘Atrée.’ ”

THE THOUSAND-AND-SECOND TALE OF SCHEHERAZADE

Truth is stranger than fiction.

OLD SAYING.

HAVING had occasion, lately, in the course of some Oriental investigations, to consult the Tellmenow Isitsoornot, a work which (like the Zohar of Simeon Jochaides) is scarcely known at all, even in Europe; and which has never been quoted, to my knowledge, by any American — if we except, perhaps, the author of the “Curiosities of American Literature”; — having had occasion, I say, to turn over some pages of the first-mentioned very remarkable work, I was not a little astonished to discover that the literary world has hitherto been strangely in error respecting the fate of the vizier’s daughter, Scheherazade, as that fate is depicted in the “Arabian Nights”; and that the denouement there given, if not altogether inaccurate, as far as it goes, is at least to blame in not having gone very much farther.

For full information on this interesting topic, I must refer the inquisitive reader to the “Isitsoornot” itself, but in the meantime, I shall be pardoned for giving a summary of what I there discovered.

It will be remembered, that, in the usual version of the tales, a certain monarch having good cause to be jealous of his queen, not only puts her to death, but makes a vow, by his beard and the prophet, to espouse each night the most beautiful maiden in his dominions, and the next morning to deliver her up to the executioner.

Having fulfilled this vow for many years to the letter, and with a religious punctuality and method that conferred great credit upon him as a man of devout feeling and excellent sense, he was interrupted one afternoon (no doubt at his prayers) by a visit from his grand vizier, to whose daughter, it appears, there had occurred an idea.

Her name was Scheherazade, and her idea was, that she would either redeem the land from the depopulating tax upon its beauty, or perish, after the approved fashion of all heroines, in the attempt.

Accordingly, and although we do not find it to be leap-year (which makes the sacrifice more meritorious), she deposes her father, the grand vizier, to make an offer to the king of her hand. This hand the king eagerly accepts — (he had intended to take it at all events, and had put off the matter from day to day, only through fear of the vizier), — but, in accepting it now, he gives all parties very distinctly to understand, that, grand vizier or no grand vizier, he has not the slightest design of giving up one iota of his vow or of his privileges. When, therefore, the fair Scheherazade insisted upon marrying the king, and did actually

marry him despite her father's excellent advice not to do any thing of the kind — when she would and did marry him, I say, will I, nill I, it was with her beautiful black eyes as thoroughly open as the nature of the case would allow.

It seems, however, that this politic damsel (who had been reading Machiavelli, beyond doubt), had a very ingenious little plot in her mind. On the night of the wedding, she contrived, upon I forget what specious pretence, to have her sister occupy a couch sufficiently near that of the royal pair to admit of easy conversation from bed to bed; and, a little before cock-crowing, she took care to awaken the good monarch, her husband (who bore her none the worse will because he intended to wring her neck on the morrow), — she managed to awaken him, I say, (although on account of a capital conscience and an easy digestion, he slept well) by the profound interest of a story (about a rat and a black cat, I think) which she was narrating (all in an undertone, of course) to her sister. When the day broke, it so happened that this history was not altogether finished, and that Scheherazade, in the nature of things could not finish it just then, since it was high time for her to get up and be bowstrung — a thing very little more pleasant than hanging, only a trifle more genteel.

The king's curiosity, however, prevailing, I am sorry to say, even over his sound religious principles, induced him for this once to postpone the fulfilment of his vow until next morning, for the purpose and with the hope of hearing that night how it

fared in the end with the black cat (a black cat, I think it was) and the rat.

The night having arrived, however, the lady Scheherazade not only put the finishing stroke to the black cat and the rat (the rat was blue) but before she well knew what she was about, found herself deep in the intricacies of a narration, having reference (if I am not altogether mistaken) to a pink horse (with green wings) that went, in a violent manner, by clockwork, and was wound up with an indigo key. With this history the king was even more profoundly interested than with the other — and, as the day broke before its conclusion (notwithstanding all the queen's endeavors to get through with it in time for the bowstringing), there was again no resource but to postpone that ceremony as before, for twenty-four hours. The next night there happened a similar accident with a similar result; and then the next — and then again the next; so that, in the end, the good monarch, having been unavoidably deprived of all opportunity to keep his vow during a period of no less than one thousand and one nights, either forgets it altogether by the expiration of this time, or gets himself absolved of it in the regular way, or (what is more probable) breaks it outright, as well as the head of his father confessor. At all events, Scheherazade, who, being lineally descended from Eve, fell heir, perhaps, to the whole seven baskets of talk, which the latter lady, we all know, picked up from under the trees in the garden of Eden — Scheherazade, I say, finally triumphed, and the tariff upon beauty was repealed.

Now, this conclusion (which is that of the story as we have it upon record) is, no doubt, excessively proper and pleasant — but alas! like a great many pleasant things, is more pleasant than true, and I am indebted altogether to the “Isitsoornot” for the means of correcting the error. “Le mieux,” says a French proverb, “est l’ennemi du bien,” and, in mentioning that Scheherazade had inherited the seven baskets of talk, I should have added that she put them out at compound interest until they amounted to seventy-seven.

“My dear sister,” said she, on the thousand-and-second night, (I quote the language of the “Isitsoornot” at this point, verbatim) “my dear sister,” said she, “now that all this little difficulty about the bowstring has blown over, and that this odious tax is so happily repealed, I feel that I have been guilty of great indiscretion in withholding from you and the king (who I am sorry to say, snores — a thing no gentleman would do) the full conclusion of Sinbad the sailor. This person went through numerous other and more interesting adventures than those which I related; but the truth is, I felt sleepy on the particular night of their narration, and so was seduced into cutting them short — a grievous piece of misconduct, for which I only trust that Allah will forgive me. But even yet it is not too late to remedy my great neglect — and as soon as I have given the king a pinch or two in order to wake him up so far that he may stop making that horrible noise, I will forthwith entertain you (and him if he pleases) with the sequel of this very remarkable story.”

Hereupon the sister of Scheherazade, as I have it from the “Isitsoornot,” expressed no very particular intensity of gratification; but the king, having been sufficiently pinched, at length ceased snoring, and finally said, “hum!” and then “hoo!” when the queen, understanding these words (which are no doubt Arabic) to signify that he was all attention, and would do his best not to snore any more — the queen, I say, having arranged these matters to her satisfaction, re-entered thus, at once, into the history of Sinbad the sailor:

“At length, in my old age,’ [these are the words of Sinbad himself, as retailed by Scheherazade] — ‘at length, in my old age, and after enjoying many years of tranquillity at home, I became once more possessed of a desire of visiting foreign countries; and one day, without acquainting any of my family with my design, I packed up some bundles of such merchandise as was most precious and least bulky, and, engaged a porter to carry them, went with him down to the sea-shore, to await the arrival of any chance vessel that might convey me out of the kingdom into some region which I had not as yet explored.

“Having deposited the packages upon the sands, we sat down beneath some trees, and looked out into the ocean in the hope of perceiving a ship, but during several hours we saw none whatever. At length I fancied that I could hear a singular buzzing or humming sound; and the porter, after listening awhile, declared that he also could distinguish it. Presently it grew louder, and then still louder, so that we could have no doubt that the object

which caused it was approaching us. At length, on the edge of the horizon, we discovered a black speck, which rapidly increased in size until we made it out to be a vast monster, swimming with a great part of its body above the surface of the sea. It came toward us with inconceivable swiftness, throwing up huge waves of foam around its breast, and illuminating all that part of the sea through which it passed, with a long line of fire that extended far off into the distance.

“As the thing drew near we saw it very distinctly. Its length was equal to that of three of the loftiest trees that grow, and it was as wide as the great hall of audience in your palace, O most sublime and munificent of the Caliphs. Its body, which was unlike that of ordinary fishes, was as solid as a rock, and of a jetty blackness throughout all that portion of it which floated above the water, with the exception of a narrow blood-red streak that completely begirdled it. The belly, which floated beneath the surface, and of which we could get only a glimpse now and then as the monster rose and fell with the billows, was entirely covered with metallic scales, of a color like that of the moon in misty weather. The back was flat and nearly white, and from it there extended upwards of six spines, about half the length of the whole body.

“The horrible creature had no mouth that we could perceive, but, as if to make up for this deficiency, it was provided with at least four score of eyes, that protruded from their sockets like those of the green dragon-fly, and were arranged all around the

body in two rows, one above the other, and parallel to the blood-red streak, which seemed to answer the purpose of an eyebrow. Two or three of these dreadful eyes were much larger than the others, and had the appearance of solid gold.

“Although this beast approached us, as I have before said, with the greatest rapidity, it must have been moved altogether by necromancy — for it had neither fins like a fish nor web-feet like a duck, nor wings like the seashell which is blown along in the manner of a vessel; nor yet did it writhe itself forward as do the eels. Its head and its tail were shaped precisely alike, only, not far from the latter, were two small holes that served for nostrils, and through which the monster puffed out its thick breath with prodigious violence, and with a shrieking, disagreeable noise.

“Our terror at beholding this hideous thing was very great, but it was even surpassed by our astonishment, when upon getting a nearer look, we perceived upon the creature’s back a vast number of animals about the size and shape of men, and altogether much resembling them, except that they wore no garments (as men do), being supplied (by nature, no doubt) with an ugly uncomfortable covering, a good deal like cloth, but fitting so tight to the skin, as to render the poor wretches laughably awkward, and put them apparently to severe pain. On the very tips of their heads were certain square-looking boxes, which, at first sight, I thought might have been intended to answer as turbans, but I soon discovered that they were excessively heavy and solid, and I therefore concluded they were contrivances designed, by their

great weight, to keep the heads of the animals steady and safe upon their shoulders. Around the necks of the creatures were fastened black collars, (badges of servitude, no doubt,) such as we keep on our dogs, only much wider and infinitely stiffer, so that it was quite impossible for these poor victims to move their heads in any direction without moving the body at the same time; and thus they were doomed to perpetual contemplation of their noses — a view puggish and snubby in a wonderful, if not positively in an awful degree.

“When the monster had nearly reached the shore where we stood, it suddenly pushed out one of its eyes to a great extent, and emitted from it a terrible flash of fire, accompanied by a dense cloud of smoke, and a noise that I can compare to nothing but thunder. As the smoke cleared away, we saw one of the odd man-animals standing near the head of the large beast with a trumpet in his hand, through which (putting it to his mouth) he presently addressed us in loud, harsh, and disagreeable accents, that, perhaps, we should have mistaken for language, had they not come altogether through the nose.

“Being thus evidently spoken to, I was at a loss how to reply, as I could in no manner understand what was said; and in this difficulty I turned to the porter, who was near swooning through affright, and demanded of him his opinion as to what species of monster it was, what it wanted, and what kind of creatures those were that so swarmed upon its back. To this the porter replied, as well as he could for trepidation, that he had once before heard of

this sea-beast; that it was a cruel demon, with bowels of sulphur and blood of fire, created by evil genii as the means of inflicting misery upon mankind; that the things upon its back were vermin, such as sometimes infest cats and dogs, only a little larger and more savage; and that these vermin had their uses, however evil — for, through the torture they caused the beast by their nibbling and stings, it was goaded into that degree of wrath which was requisite to make it roar and commit ill, and so fulfil the vengeful and malicious designs of the wicked genii.

“This account determined me to take to my heels, and, without once even looking behind me, I ran at full speed up into the hills, while the porter ran equally fast, although nearly in an opposite direction, so that, by these means, he finally made his escape with my bundles, of which I have no doubt he took excellent care — although this is a point I cannot determine, as I do not remember that I ever beheld him again.

“For myself, I was so hotly pursued by a swarm of the men-vermin (who had come to the shore in boats) that I was very soon overtaken, bound hand and foot, and conveyed to the beast, which immediately swam out again into the middle of the sea.

“I now bitterly repented my folly in quitting a comfortable home to peril my life in such adventures as this; but regret being useless, I made the best of my condition, and exerted myself to secure the goodwill of the man-animal that owned the trumpet, and who appeared to exercise authority over his fellows. I succeeded so well in this endeavor that, in a few days, the

creature bestowed upon me various tokens of his favor, and in the end even went to the trouble of teaching me the rudiments of what it was vain enough to denominate its language; so that, at length, I was enabled to converse with it readily, and came to make it comprehend the ardent desire I had of seeing the world.

“‘Washish squashish squeak, Sinbad, hey-diddle diddle, grunt unt grumble, hiss, fiss, whiss,’ said he to me, one day after dinner — but I beg a thousand pardons, I had forgotten that your majesty is not conversant with the dialect of the Cock-neighs (so the man-animals were called; I presume because their language formed the connecting link between that of the horse and that of the rooster). With your permission, I will translate. ‘Washish squashish,’ and so forth: — that is to say, ‘I am happy to find, my dear Sinbad, that you are really a very excellent fellow; we are now about doing a thing which is called circumnavigating the globe; and since you are so desirous of seeing the world, I will strain a point and give you a free passage upon back of the beast.’”

When the Lady Scheherazade had proceeded thus far, relates the “Isitsoornot,” the king turned over from his left side to his right, and said:

“It is, in fact, very surprising, my dear queen, that you omitted, hitherto, these latter adventures of Sinbad. Do you know I think them exceedingly entertaining and strange?”

The king having thus expressed himself, we are told, the fair Scheherazade resumed her history in the following words:

“Sinbad went on in this manner with his narrative to the caliph — ‘I thanked the man-animal for its kindness, and soon found myself very much at home on the beast, which swam at a prodigious rate through the ocean; although the surface of the latter is, in that part of the world, by no means flat, but round like a pomegranate, so that we went — so to say — either up hill or down hill all the time.’

“That I think, was very singular,” interrupted the king.

“Nevertheless, it is quite true,” replied Scheherazade.

“I have my doubts,” rejoined the king; “but, pray, be so good as to go on with the story.”

“I will,” said the queen. “‘The beast,’ continued Sinbad to the caliph, ‘swam, as I have related, up hill and down hill until, at length, we arrived at an island, many hundreds of miles in circumference, but which, nevertheless, had been built in the middle of the sea by a colony of little things like caterpillars’” (*1)

“Hum!” said the king.

“‘Leaving this island,’ said Sinbad — (for Scheherazade, it must be understood, took no notice of her husband’s ill-mannered ejaculation) ‘leaving this island, we came to another where the forests were of solid stone, and so hard that they shivered to pieces the finest-tempered axes with which we endeavoured to cut them down.’” (*2)

“Hum!” said the king, again; but Scheherazade, paying him no attention, continued in the language of Sinbad.

“Passing beyond this last island, we reached a country where there was a cave that ran to the distance of thirty or forty miles within the bowels of the earth, and that contained a greater number of far more spacious and more magnificent palaces than are to be found in all Damascus and Bagdad. From the roofs of these palaces there hung myriads of gems, like diamonds, but larger than men; and in among the streets of towers and pyramids and temples, there flowed immense rivers as black as ebony, and swarming with fish that had no eyes.” (*3)

“Hum!” said the king. “We then swam into a region of the sea where we found a lofty mountain, down whose sides there streamed torrents of melted metal, some of which were twelve miles wide and sixty miles long (*4); while from an abyss on the summit, issued so vast a quantity of ashes that the sun was entirely blotted out from the heavens, and it became darker than the darkest midnight; so that when we were even at the distance of a hundred and fifty miles from the mountain, it was impossible to see the whitest object, however close we held it to our eyes.” (*5)

“Hum!” said the king.

“After quitting this coast, the beast continued his voyage until we met with a land in which the nature of things seemed reversed — for we here saw a great lake, at the bottom of which, more than a hundred feet beneath the surface of the water, there flourished in full leaf a forest of tall and luxuriant trees.” (*6)

“Hoo!” said the king.

“Some hundred miles farther on brought us to a climate where the atmosphere was so dense as to sustain iron or steel, just as our own does feather.” (*7)

“Fiddle de dee,” said the king.

“Proceeding still in the same direction, we presently arrived at the most magnificent region in the whole world. Through it there meandered a glorious river for several thousands of miles. This river was of unspeakable depth, and of a transparency richer than that of amber. It was from three to six miles in width; and its banks which arose on either side to twelve hundred feet in perpendicular height, were crowned with ever-blossoming trees and perpetual sweet-scented flowers, that made the whole territory one gorgeous garden; but the name of this luxuriant land was the Kingdom of Horror, and to enter it was inevitable death” (*8)

“Humph!” said the king.

“We left this kingdom in great haste, and, after some days, came to another, where we were astonished to perceive myriads of monstrous animals with horns resembling scythes upon their heads. These hideous beasts dig for themselves vast caverns in the soil, of a funnel shape, and line the sides of them with rocks, so disposed one upon the other that they fall instantly, when trodden upon by other animals, thus precipitating them into the monster’s dens, where their blood is immediately sucked, and their carcasses afterwards hurled contemptuously out to an immense distance from “the caverns of death.”” (*9)

“Pooh!” said the king.

“Continuing our progress, we perceived a district with vegetables that grew not upon any soil but in the air. (*10) There were others that sprang from the substance of other vegetables; (*11) others that derived their substance from the bodies of living animals; (*12) and then again, there were others that glowed all over with intense fire; (*13) others that moved from place to place at pleasure, (*14) and what was still more wonderful, we discovered flowers that lived and breathed and moved their limbs at will and had, moreover, the detestable passion of mankind for enslaving other creatures, and confining them in horrid and solitary prisons until the fulfillment of appointed tasks.” (*15)

“Pshaw!” said the king.

“Quitting this land, we soon arrived at another in which the bees and the birds are mathematicians of such genius and erudition, that they give daily instructions in the science of geometry to the wise men of the empire. The king of the place having offered a reward for the solution of two very difficult problems, they were solved upon the spot — the one by the bees, and the other by the birds; but the king keeping their solution a secret, it was only after the most profound researches and labor, and the writing of an infinity of big books, during a long series of years, that the men-mathematicians at length arrived at the identical solutions which had been given upon the spot by the bees and by the birds.” (*16)

“Oh my!” said the king.

“We had scarcely lost sight of this empire when we found ourselves close upon another, from whose shores there flew over our heads a flock of fowls a mile in breadth, and two hundred and forty miles long; so that, although they flew a mile during every minute, it required no less than four hours for the whole flock to pass over us — in which there were several millions of millions of fowl.” (*17)

“Oh fy!” said the king.

“No sooner had we got rid of these birds, which occasioned us great annoyance, than we were terrified by the appearance of a fowl of another kind, and infinitely larger than even the rocs which I met in my former voyages; for it was bigger than the biggest of the domes on your seraglio, oh, most Munificent of Caliphs. This terrible fowl had no head that we could perceive, but was fashioned entirely of belly, which was of a prodigious fatness and roundness, of a soft-looking substance, smooth, shining and striped with various colors. In its talons, the monster was bearing away to his eyrie in the heavens, a house from which it had knocked off the roof, and in the interior of which we distinctly saw human beings, who, beyond doubt, were in a state of frightful despair at the horrible fate which awaited them. We shouted with all our might, in the hope of frightening the bird into letting go of its prey, but it merely gave a snort or puff, as if of rage and then let fall upon our heads a heavy sack which proved to be filled with sand!”

“Stuff!” said the king.

“It was just after this adventure that we encountered a continent of immense extent and prodigious solidity, but which, nevertheless, was supported entirely upon the back of a sky-blue cow that had no fewer than four hundred horns.” (*18)

“That, now, I believe,” said the king, “because I have read something of the kind before, in a book.”

“We passed immediately beneath this continent, (swimming in between the legs of the cow), and, after some hours, found ourselves in a wonderful country indeed, which, I was informed by the man-animal, was his own native land, inhabited by things of his own species. This elevated the man-animal very much in my esteem, and in fact, I now began to feel ashamed of the contemptuous familiarity with which I had treated him; for I found that the man-animals in general were a nation of the most powerful magicians, who lived with worms in their brain, (*19) which, no doubt, served to stimulate them by their painful writhings and wriggings to the most miraculous efforts of imagination!”

“Nonsense!” said the king.

“Among the magicians, were domesticated several animals of very singular kinds; for example, there was a huge horse whose bones were iron and whose blood was boiling water. In place of corn, he had black stones for his usual food; and yet, in spite of so hard a diet, he was so strong and swift that he would drag a load more weighty than the grandest temple in this city, at a rate surpassing that of the flight of most birds.” (*20)

“Twattle!” said the king.

“I saw, also, among these people a hen without feathers, but bigger than a camel; instead of flesh and bone she had iron and brick; her blood, like that of the horse, (to whom, in fact, she was nearly related,) was boiling water; and like him she ate nothing but wood or black stones. This hen brought forth very frequently, a hundred chickens in the day; and, after birth, they took up their residence for several weeks within the stomach of their mother.” (*21)

“Fa! lal!” said the king.

“One of this nation of mighty conjurors created a man out of brass and wood, and leather, and endowed him with such ingenuity that he would have beaten at chess, all the race of mankind with the exception of the great Caliph, Haroun Alraschid. (*22) Another of these magi constructed (of like material) a creature that put to shame even the genius of him who made it; for so great were its reasoning powers that, in a second, it performed calculations of so vast an extent that they would have required the united labor of fifty thousand fleshy men for a year. (*23) But a still more wonderful conjuror fashioned for himself a mighty thing that was neither man nor beast, but which had brains of lead, intermixed with a black matter like pitch, and fingers that it employed with such incredible speed and dexterity that it would have had no trouble in writing out twenty thousand copies of the Koran in an hour, and this with so exquisite a precision, that in all the copies there should not

be found one to vary from another by the breadth of the finest hair. This thing was of prodigious strength, so that it erected or overthrew the mightiest empires at a breath; but its powers were exercised equally for evil and for good.”

“Ridiculous!” said the king.

“Among this nation of necromancers there was also one who had in his veins the blood of the salamanders; for he made no scruple of sitting down to smoke his chibouc in a red-hot oven until his dinner was thoroughly roasted upon its floor. (*24) Another had the faculty of converting the common metals into gold, without even looking at them during the process. (*25) Another had such a delicacy of touch that he made a wire so fine as to be invisible. (*26) Another had such quickness of perception that he counted all the separate motions of an elastic body, while it was springing backward and forward at the rate of nine hundred millions of times in a second.” (*27)

“Absurd!” said the king.

“Another of these magicians, by means of a fluid that nobody ever yet saw, could make the corpses of his friends brandish their arms, kick out their legs, fight, or even get up and dance at his will. (*28) Another had cultivated his voice to so great an extent that he could have made himself heard from one end of the world to the other. (*29) Another had so long an arm that he could sit down in Damascus and indite a letter at Bagdad — or indeed at any distance whatsoever. (*30) Another commanded the lightning to come down to him out of the heavens, and it

came at his call; and served him for a plaything when it came. Another took two loud sounds and out of them made a silence. Another constructed a deep darkness out of two brilliant lights. (*31) Another made ice in a red-hot furnace. (*32) Another directed the sun to paint his portrait, and the sun did. (*33) Another took this luminary with the moon and the planets, and having first weighed them with scrupulous accuracy, probed into their depths and found out the solidity of the substance of which they were made. But the whole nation is, indeed, of so surprising a necromantic ability, that not even their infants, nor their commonest cats and dogs have any difficulty in seeing objects that do not exist at all, or that for twenty millions of years before the birth of the nation itself had been blotted out from the face of creation.” (*34)

“Preposterous!” said the king.

“The wives and daughters of these incomparably great and wise magi,” continued Scheherazade, without being in any manner disturbed by these frequent and most ungentlemanly interruptions on the part of her husband — “the wives and daughters of these eminent conjurers are every thing that is accomplished and refined; and would be every thing that is interesting and beautiful, but for an unhappy fatality that besets them, and from which not even the miraculous powers of their husbands and fathers has, hitherto, been adequate to save. Some fatalities come in certain shapes, and some in others — but this of which I speak has come in the shape of a crotchet.”

“A what?” said the king.

“A crotchet” said Scheherazade. “One of the evil genii, who are perpetually upon the watch to inflict ill, has put it into the heads of these accomplished ladies that the thing which we describe as personal beauty consists altogether in the protuberance of the region which lies not very far below the small of the back. Perfection of loveliness, they say, is in the direct ratio of the extent of this lump. Having been long possessed of this idea, and bolsters being cheap in that country, the days have long gone by since it was possible to distinguish a woman from a dromedary-”

“Stop!” said the king — “I can’t stand that, and I won’t. You have already given me a dreadful headache with your lies. The day, too, I perceive, is beginning to break. How long have we been married? — my conscience is getting to be troublesome again. And then that dromedary touch — do you take me for a fool? Upon the whole, you might as well get up and be throttled.”

These words, as I learn from the “Isitsoornot,” both grieved and astonished Scheherazade; but, as she knew the king to be a man of scrupulous integrity, and quite unlikely to forfeit his word, she submitted to her fate with a good grace. She derived, however, great consolation, (during the tightening of the bowstring,) from the reflection that much of the history remained still untold, and that the petulance of her brute of a husband had reaped for him a most righteous reward, in depriving him of many inconceivable adventures.

A DESCENT INTO THE MAELSTRÖM

The ways of God in Nature, as in Providence, are not as our ways; nor are the models that we frame any way commensurate to the vastness, profundity, and unsearchableness of His works, which have a depth in them greater than the well of Democritus.
Joseph Glanville.

WE had now reached the summit of the loftiest crag. For some minutes the old man seemed too much exhausted to speak.

“Not long ago,” said he at length, “and I could have guided you on this route as well as the youngest of my sons; but, about three years past, there happened to me an event such as never happened to mortal man — or at least such as no man ever survived to tell of — and the six hours of deadly terror which I then endured have broken me up body and soul. You suppose me a *very* old man — but I am not. It took less than a single day to change these hairs from a jetty black to white, to weaken my limbs, and to unstring my nerves, so that I tremble at the least exertion, and am frightened at a shadow. Do you know I can scarcely look over this little cliff without getting giddy?”

The “little cliff,” upon whose edge he had so carelessly thrown

himself down to rest that the weightier portion of his body hung over it, while he was only kept from falling by the tenure of his elbow on its extreme and slippery edge — this “little cliff” arose, a sheer unobstructed precipice of black shining rock, some fifteen or sixteen hundred feet from the world of crags beneath us. Nothing would have tempted me to within half a dozen yards of its brink. In truth so deeply was I excited by the perilous position of my companion, that I fell at full length upon the ground, clung to the shrubs around me, and dared not even glance upward at the sky — while I struggled in vain to divest myself of the idea that the very foundations of the mountain were in danger from the fury of the winds. It was long before I could reason myself into sufficient courage to sit up and look out into the distance.

“You must get over these fancies,” said the guide, “for I have brought you here that you might have the best possible view of the scene of that event I mentioned — and to tell you the whole story with the spot just under your eye.”

“We are now,” he continued, in that particularizing manner which distinguished him — “we are now close upon the Norwegian coast — in the sixty-eighth degree of latitude — in the great province of Nordland — and in the dreary district of Lofoden. The mountain upon whose top we sit is Helseggen, the Cloudy. Now raise yourself up a little higher — hold on to the grass if you feel giddy — so — and look out, beyond the belt of vapor beneath us, into the sea.”

I looked dizzily, and beheld a wide expanse of ocean, whose waters wore so inky a hue as to bring at once to my mind the Nubian geographer's account of the *Mare Tenebrarum*. A panorama more deplorably desolate no human imagination can conceive. To the right and left, as far as the eye could reach, there lay outstretched, like ramparts of the world, lines of horridly black and beetling cliff, whose character of gloom was but the more forcibly illustrated by the surf which reared high up against its white and ghastly crest, howling and shrieking forever. Just opposite the promontory upon whose apex we were placed, and at a distance of some five or six miles out at sea, there was visible a small, bleak-looking island; or, more properly, its position was discernible through the wilderness of surge in which it was enveloped. About two miles nearer the land, arose another of smaller size, hideously craggy and barren, and encompassed at various intervals by a cluster of dark rocks.

The appearance of the ocean, in the space between the more distant island and the shore, had something very unusual about it. Although, at the time, so strong a gale was blowing landward that a brig in the remote offing lay to under a double-reefed trysail, and constantly plunged her whole hull out of sight, still there was here nothing like a regular swell, but only a short, quick, angry cross dashing of water in every direction — as well in the teeth of the wind as otherwise. Of foam there was little except in the immediate vicinity of the rocks.

“The island in the distance,” resumed the old man, “is called

by the Norwegians Vurrgh. The one midway is Moskoe. That a mile to the northward is Ambaaren. Yonder are Islesen, Hotholm, Keildhelm, Suarven, and Buckholm. Farther off — between Moskoe and Vurrgh — are Otterholm, Flimen, Sandflesen, and Stockholm. These are the true names of the places — but why it has been thought necessary to name them at all, is more than either you or I can understand. Do you hear anything? Do you see any change in the water?”

We had now been about ten minutes upon the top of Helseggen, to which we had ascended from the interior of Lofoden, so that we had caught no glimpse of the sea until it had burst upon us from the summit. As the old man spoke, I became aware of a loud and gradually increasing sound, like the moaning of a vast herd of buffaloes upon an American prairie; and at the same moment I perceived that what seamen term the *chopping* character of the ocean beneath us, was rapidly changing into a current which set to the eastward. Even while I gazed, this current acquired a monstrous velocity. Each moment added to its speed — to its headlong impetuosity. In five minutes the whole sea, as far as Vurrgh, was lashed into ungovernable fury; but it was between Moskoe and the coast that the main uproar held its sway. Here the vast bed of the waters, seamed and scarred into a thousand conflicting channels, burst suddenly into phrensied convulsion — heaving, boiling, hissing — gyrating in gigantic and innumerable vortices, and all whirling and plunging on to the eastward with a rapidity which water never elsewhere assumes

except in precipitous descents.

In a few minutes more, there came over the scene another radical alteration. The general surface grew somewhat more smooth, and the whirlpools, one by one, disappeared, while prodigious streaks of foam became apparent where none had been seen before. These streaks, at length, spreading out to a great distance, and entering into combination, took unto themselves the gyratory motion of the subsided vortices, and seemed to form the germ of another more vast. Suddenly — very suddenly — this assumed a distinct and definite existence, in a circle of more than a mile in diameter. The edge of the whirl was represented by a broad belt of gleaming spray; but no particle of this slipped into the mouth of the terrific funnel, whose interior, as far as the eye could fathom it, was a smooth, shining, and jet-black wall of water, inclined to the horizon at an angle of some forty-five degrees, speeding dizzily round and round with a swaying and sweltering motion, and sending forth to the winds an appalling voice, half shriek, half roar, such as not even the mighty cataract of Niagara ever lifts up in its agony to Heaven.

The mountain trembled to its very base, and the rock rocked. I threw myself upon my face, and clung to the scant herbage in an excess of nervous agitation.

“This,” said I at length, to the old man — “this *can* be nothing else than the great whirlpool of the Maelström.”

“So it is sometimes termed,” said he. “We Norwegians call it the Moskoe-ström, from the island of Moskoe in the midway.”

The ordinary accounts of this vortex had by no means prepared me for what I saw. That of Jonas Ramus, which is perhaps the most circumstantial of any, cannot impart the faintest conception either of the magnificence, or of the horror of the scene — or of the wild bewildering sense of *the novel* which confounds the beholder. I am not sure from what point of view the writer in question surveyed it, nor at what time; but it could neither have been from the summit of Helseggen, nor during a storm. There are some passages of his description, nevertheless, which may be quoted for their details, although their effect is exceedingly feeble in conveying an impression of the spectacle.

“Between Lofoden and Moskoe,” he says, “the depth of the water is between thirty-six and forty fathoms; but on the other side, toward Ver (Vurrgh) this depth decreases so as not to afford a convenient passage for a vessel, without the risk of splitting on the rocks, which happens even in the calmest weather. When it is flood, the stream runs up the country between Lofoden and Moskoe with a boisterous rapidity; but the roar of its impetuous ebb to the sea is scarce equalled by the loudest and most dreadful cataracts; the noise being heard several leagues off, and the vortices or pits are of such an extent and depth, that if a ship comes within its attraction, it is inevitably absorbed and carried down to the bottom, and there beat to pieces against the rocks; and when the water relaxes, the fragments thereof are thrown up again. But these intervals of tranquility are only at the turn of the ebb and flood, and in calm weather, and last but a quarter of an

hour, its violence gradually returning. When the stream is most boisterous, and its fury heightened by a storm, it is dangerous to come within a Norway mile of it. Boats, yachts, and ships have been carried away by not guarding against it before they were within its reach. It likewise happens frequently, that whales come too near the stream, and are overpowered by its violence; and then it is impossible to describe their howlings and bellowings in their fruitless struggles to disengage themselves. A bear once, attempting to swim from Lofoden to Moskoe, was caught by the stream and borne down, while he roared terribly, so as to be heard on shore. Large stocks of firs and pine trees, after being absorbed by the current, rise again broken and torn to such a degree as if bristles grew upon them. This plainly shows the bottom to consist of craggy rocks, among which they are whirled to and fro. This stream is regulated by the flux and reflux of the sea — it being constantly high and low water every six hours. In the year 1645, early in the morning of Sexagesima Sunday, it raged with such noise and impetuosity that the very stones of the houses on the coast fell to the ground.”

In regard to the depth of the water, I could not see how this could have been ascertained at all in the immediate vicinity of the vortex. The “forty fathoms” must have reference only to portions of the channel close upon the shore either of Moskoe or Lofoden. The depth in the centre of the Moskoe-ström must be immeasurably greater; and no better proof of this fact is necessary than can be obtained from even the sidelong glance

into the abyss of the whirl which may be had from the highest crag of Helseggen. Looking down from this pinnacle upon the howling Phlegethon below, I could not help smiling at the simplicity with which the honest Jonas Ramus records, as a matter difficult of belief, the anecdotes of the whales and the bears; for it appeared to me, in fact, a self-evident thing, that the largest ship of the line in existence, coming within the influence of that deadly attraction, could resist it as little as a feather the hurricane, and must disappear bodily and at once.

The attempts to account for the phenomenon — some of which, I remember, seemed to me sufficiently plausible in perusal — now wore a very different and unsatisfactory aspect. The idea generally received is that this, as well as three smaller vortices among the Ferroe islands, “have no other cause than the collision of waves rising and falling, at flux and reflux, against a ridge of rocks and shelves, which confines the water so that it precipitates itself like a cataract; and thus the higher the flood rises, the deeper must the fall be, and the natural result of all is a whirlpool or vortex, the prodigious suction of which is sufficiently known by lesser experiments.” — These are the words of the *Encyclopædia Britannica*. Kircher and others imagine that in the centre of the channel of the Maelström is an abyss penetrating the globe, and issuing in some very remote part — the Gulf of Bothnia being somewhat decidedly named in one instance. This opinion, idle in itself, was the one to which, as I gazed, my imagination most readily assented; and, mentioning it

to the guide, I was rather surprised to hear him say that, although it was the view almost universally entertained of the subject by the Norwegians, it nevertheless was not his own. As to the former notion he confessed his inability to comprehend it; and here I agreed with him — for, however conclusive on paper, it becomes altogether unintelligible, and even absurd, amid the thunder of the abyss.

“You have had a good look at the whirl now,” said the old man, “and if you will creep round this crag, so as to get in its lee, and deaden the roar of the water, I will tell you a story that will convince you I ought to know something of the Moskoe-ström.”

I placed myself as desired, and he proceeded.

“Myself and my two brothers once owned a schooner-rigged smack of about seventy tons burthen, with which we were in the habit of fishing among the islands beyond Moskoe, nearly to Vurrgh. In all violent eddies at sea there is good fishing, at proper opportunities, if one has only the courage to attempt it; but among the whole of the Lofoden coastmen, we three were the only ones who made a regular business of going out to the islands, as I tell you. The usual grounds are a great way lower down to the southward. There fish can be got at all hours, without much risk, and therefore these places are preferred. The choice spots over here among the rocks, however, not only yield the finest variety, but in far greater abundance; so that we often got in a single day, what the more timid of the craft could not scrape together in a week. In fact, we made it a matter of desperate speculation —

the risk of life standing instead of labor, and courage answering for capital.

“We kept the smack in a cove about five miles higher up the coast than this; and it was our practice, in fine weather, to take advantage of the fifteen minutes’ slack to push across the main channel of the Moskoe-ström, far above the pool, and then drop down upon anchorage somewhere near Otterholm, or Sandflesen, where the eddies are not so violent as elsewhere. Here we used to remain until nearly time for slack-water again, when we weighed and made for home. We never set out upon this expedition without a steady side wind for going and coming — one that we felt sure would not fail us before our return — and we seldom made a mis-calculation upon this point. Twice, during six years, we were forced to stay all night at anchor on account of a dead calm, which is a rare thing indeed just about here; and once we had to remain on the grounds nearly a week, starving to death, owing to a gale which blew up shortly after our arrival, and made the channel too boisterous to be thought of. Upon this occasion we should have been driven out to sea in spite of everything, (for the whirlpools threw us round and round so violently, that, at length, we fouled our anchor and dragged it) if it had not been that we drifted into one of the innumerable cross currents — here to-day and gone to-morrow — which drove us under the lee of Flimen, where, by good luck, we brought up.

“I could not tell you the twentieth part of the difficulties we encountered ‘on the grounds’ — it is a bad spot to be in, even in

good weather — but we made shift always to run the gauntlet of the Moskoe-ström itself without accident; although at times my heart has been in my mouth when we happened to be a minute or so behind or before the slack. The wind sometimes was not as strong as we thought it at starting, and then we made rather less way than we could wish, while the current rendered the smack unmanageable. My eldest brother had a son eighteen years old, and I had two stout boys of my own. These would have been of great assistance at such times, in using the sweeps, as well as afterward in fishing — but, somehow, although we ran the risk ourselves, we had not the heart to let the young ones get into the danger — for, after all is said and done, it *was* a horrible danger, and that is the truth.

“It is now within a few days of three years since what I am going to tell you occurred. It was on the tenth day of July, 18-, a day which the people of this part of the world will never forget — for it was one in which blew the most terrible hurricane that ever came out of the heavens. And yet all the morning, and indeed until late in the afternoon, there was a gentle and steady breeze from the south-west, while the sun shone brightly, so that the oldest seaman among us could not have foreseen what was to follow.

“The three of us — my two brothers and myself — had crossed over to the islands about two o’clock P. M., and had soon nearly loaded the smack with fine fish, which, we all remarked, were more plenty that day than we had ever known them. It was

just seven, *by my watch*, when we weighed and started for home, so as to make the worst of the Ström at slack water, which we knew would be at eight.

“We set out with a fresh wind on our starboard quarter, and for some time spanked along at a great rate, never dreaming of danger, for indeed we saw not the slightest reason to apprehend it. All at once we were taken aback by a breeze from over Helseggen. This was most unusual — something that had never happened to us before — and I began to feel a little uneasy, without exactly knowing why. We put the boat on the wind, but could make no headway at all for the eddies, and I was upon the point of proposing to return to the anchorage, when, looking astern, we saw the whole horizon covered with a singular copper-colored cloud that rose with the most amazing velocity.

“In the meantime the breeze that had headed us off fell away, and we were dead becalmed, drifting about in every direction. This state of things, however, did not last long enough to give us time to think about it. In less than a minute the storm was upon us — in less than two the sky was entirely overcast — and what with this and the driving spray, it became suddenly so dark that we could not see each other in the smack.

“Such a hurricane as then blew it is folly to attempt describing. The oldest seaman in Norway never experienced any thing like it. We had let our sails go by the run before it cleverly took us; but, at the first puff, both our masts went by the board as if they had been sawed off — the mainmast taking with it my youngest

brother, who had lashed himself to it for safety.

“Our boat was the lightest feather of a thing that ever sat upon water. It had a complete flush deck, with only a small hatch near the bow, and this hatch it had always been our custom to batten down when about to cross the Ström, by way of precaution against the chopping seas. But for this circumstance we should have foundered at once — for we lay entirely buried for some moments. How my elder brother escaped destruction I cannot say, for I never had an opportunity of ascertaining. For my part, as soon as I had let the foresail run, I threw myself flat on deck, with my feet against the narrow gunwale of the bow, and with my hands grasping a ring-bolt near the foot of the fore-mast. It was mere instinct that prompted me to do this — which was undoubtedly the very best thing I could have done — for I was too much flurried to think.

“For some moments we were completely deluged, as I say, and all this time I held my breath, and clung to the bolt. When I could stand it no longer I raised myself upon my knees, still keeping hold with my hands, and thus got my head clear. Presently our little boat gave herself a shake, just as a dog does in coming out of the water, and thus rid herself, in some measure, of the seas. I was now trying to get the better of the stupor that had come over me, and to collect my senses so as to see what was to be done, when I felt somebody grasp my arm. It was my elder brother, and my heart leaped for joy, for I had made sure that he was overboard — but the next moment all this joy was turned into

horror — for he put his mouth close to my ear, and screamed out the word ‘*Moskoe-ström!*’

“No one ever will know what my feelings were at that moment. I shook from head to foot as if I had had the most violent fit of the ague. I knew what he meant by that one word well enough — I knew what he wished to make me understand. With the wind that now drove us on, we were bound for the whirl of the Ström, and nothing could save us!

“You perceive that in crossing the Ström *channel*, we always went a long way up above the whirl, even in the calmest weather, and then had to wait and watch carefully for the slack — but now we were driving right upon the pool itself, and in such a hurricane as this! ‘To be sure,’ I thought, ‘we shall get there just about the slack — there is some little hope in that’ — but in the next moment I cursed myself for being so great a fool as to dream of hope at all. I knew very well that we were doomed, had we been ten times a ninety-gun ship.

“By this time the first fury of the tempest had spent itself, or perhaps we did not feel it so much, as we scudded before it, but at all events the seas, which at first had been kept down by the wind, and lay flat and frothing, now got up into absolute mountains. A singular change, too, had come over the heavens. Around in every direction it was still as black as pitch, but nearly overhead there burst out, all at once, a circular rift of clear sky — as clear as I ever saw — and of a deep bright blue — and through it there blazed forth the full moon with a lustre that I never before knew

her to wear. She lit up every thing about us with the greatest distinctness — but, oh God, what a scene it was to light up!

“I now made one or two attempts to speak to my brother — but, in some manner which I could not understand, the din had so increased that I could not make him hear a single word, although I screamed at the top of my voice in his ear. Presently he shook his head, looking as pale as death, and held up one of his fingers, as if to say *listen!* ‘

“At first I could not make out what he meant — but soon a hideous thought flashed upon me. I dragged my watch from its fob. It was not going. I glanced at its face by the moonlight, and then burst into tears as I flung it far away into the ocean. *It had run down at seven o'clock! We were behind the time of the slack, and the whirl of the Ström was in full fury!*

“When a boat is well built, properly trimmed, and not deep laden, the waves in a strong gale, when she is going large, seem always to slip from beneath her — which appears very strange to a landsman — and this is what is called *riding*, in sea phrase. Well, so far we had ridden the swells very cleverly; but presently a gigantic sea happened to take us right under the counter, and bore us with it as it rose — up — up — as if into the sky. I would not have believed that any wave could rise so high. And then down we came with a sweep, a slide, and a plunge, that made me feel sick and dizzy, as if I was falling from some lofty mountain-top in a dream. But while we were up I had thrown a quick glance around — and that one glance was all sufficient. I saw our exact

position in an instant. The Moskoe-Ström whirlpool was about a quarter of a mile dead ahead — but no more like the everyday Moskoe-Ström, than the whirl as you now see it is like a mill-race. If I had not known where we were, and what we had to expect, I should not have recognised the place at all. As it was, I involuntarily closed my eyes in horror. The lids clenched themselves together as if in a spasm.

“It could not have been more than two minutes afterward until we suddenly felt the waves subside, and were enveloped in foam. The boat made a sharp half turn to larboard, and then shot off in its new direction like a thunderbolt. At the same moment the roaring noise of the water was completely drowned in a kind of shrill shriek — such a sound as you might imagine given out by the waste-pipes of many thousand steam-vessels, letting off their steam all together. We were now in the belt of surf that always surrounds the whirl; and I thought, of course, that another moment would plunge us into the abyss — down which we could only see indistinctly on account of the amazing velocity with which we wore borne along. The boat did not seem to sink into the water at all, but to skim like an air-bubble upon the surface of the surge. Her starboard side was next the whirl, and on the larboard arose the world of ocean we had left. It stood like a huge writhing wall between us and the horizon.

“It may appear strange, but now, when we were in the very jaws of the gulf, I felt more composed than when we were only approaching it. Having made up my mind to hope no more, I got

rid of a great deal of that terror which unmanned me at first. I suppose it was despair that strung my nerves.

“It may look like boasting — but what I tell you is truth — I began to reflect how magnificent a thing it was to die in such a manner, and how foolish it was in me to think of so paltry a consideration as my own individual life, in view of so wonderful a manifestation of God’s power. I do believe that I blushed with shame when this idea crossed my mind. After a little while I became possessed with the keenest curiosity about the whirl itself. I positively felt a *wish* to explore its depths, even at the sacrifice I was going to make; and my principal grief was that I should never be able to tell my old companions on shore about the mysteries I should see. These, no doubt, were singular fancies to occupy a man’s mind in such extremity — and I have often thought since, that the revolutions of the boat around the pool might have rendered me a little light-headed.

“There was another circumstance which tended to restore my self-possession; and this was the cessation of the wind, which could not reach us in our present situation — for, as you saw yourself, the belt of surf is considerably lower than the general bed of the ocean, and this latter now towered above us, a high, black, mountainous ridge. If you have never been at sea in a heavy gale, you can form no idea of the confusion of mind occasioned by the wind and spray together. They blind, deafen, and strangle you, and take away all power of action or reflection. But we were now, in a great measure, rid of these annoyances

— just as death-condemned felons in prison are allowed petty indulgences, forbidden them while their doom is yet uncertain.

“How often we made the circuit of the belt it is impossible to say. We careered round and round for perhaps an hour, flying rather than floating, getting gradually more and more into the middle of the surge, and then nearer and nearer to its horrible inner edge. All this time I had never let go of the ring-bolt. My brother was at the stern, holding on to a small empty water-cask which had been securely lashed under the coop of the counter, and was the only thing on deck that had not been swept overboard when the gale first took us. As we approached the brink of the pit he let go his hold upon this, and made for the ring, from which, in the agony of his terror, he endeavored to force my hands, as it was not large enough to afford us both a secure grasp. I never felt deeper grief than when I saw him attempt this act — although I knew he was a madman when he did it — a raving maniac through sheer fright. I did not care, however, to contest the point with him. I knew it could make no difference whether either of us held on at all; so I let him have the bolt, and went astern to the cask. This there was no great difficulty in doing; for the smack flew round steadily enough, and upon an even keel — only swaying to and fro, with the immense sweeps and swelters of the whirl. Scarcely had I secured myself in my new position, when we gave a wild lurch to starboard, and rushed headlong into the abyss. I muttered a hurried prayer to God, and thought all was over.

“As I felt the sickening sweep of the descent, I had instinctively tightened my hold upon the barrel, and closed my eyes. For some seconds I dared not open them — while I expected instant destruction, and wondered that I was not already in my death-struggles with the water. But moment after moment elapsed. I still lived. The sense of falling had ceased; and the motion of the vessel seemed much as it had been before, while in the belt of foam, with the exception that she now lay more along. I took courage, and looked once again upon the scene.

“Never shall I forget the sensations of awe, horror, and admiration with which I gazed about me. The boat appeared to be hanging, as if by magic, midway down, upon the interior surface of a funnel vast in circumference, prodigious in depth, and whose perfectly smooth sides might have been mistaken for ebony, but for the bewildering rapidity with which they spun around, and for the gleaming and ghastly radiance they shot forth, as the rays of the full moon, from that circular rift amid the clouds which I have already described, streamed in a flood of golden glory along the black walls, and far away down into the inmost recesses of the abyss.

“At first I was too much confused to observe anything accurately. The general burst of terrific grandeur was all that I beheld. When I recovered myself a little, however, my gaze fell instinctively downward. In this direction I was able to obtain an unobstructed view, from the manner in which the smack hung on the inclined surface of the pool. She was quite upon an even

keel — that is to say, her deck lay in a plane parallel with that of the water — but this latter sloped at an angle of more than forty-five degrees, so that we seemed to be lying upon our beam-ends. I could not help observing, nevertheless, that I had scarcely more difficulty in maintaining my hold and footing in this situation, than if we had been upon a dead level; and this, I suppose, was owing to the speed at which we revolved.

“The rays of the moon seemed to search the very bottom of the profound gulf; but still I could make out nothing distinctly, on account of a thick mist in which everything there was enveloped, and over which there hung a magnificent rainbow, like that narrow and tottering bridge which Mussulmen say is the only pathway between Time and Eternity. This mist, or spray, was no doubt occasioned by the clashing of the great walls of the funnel, as they all met together at the bottom — but the yell that went up to the Heavens from out of that mist, I dare not attempt to describe.

“Our first slide into the abyss itself, from the belt of foam above, had carried us a great distance down the slope; but our farther descent was by no means proportionate. Round and round we swept — not with any uniform movement — but in dizzying swings and jerks, that sent us sometimes only a few hundred yards — sometimes nearly the complete circuit of the whirl. Our progress downward, at each revolution, was slow, but very perceptible.

“Looking about me upon the wide waste of liquid ebony

on which we were thus borne, I perceived that our boat was not the only object in the embrace of the whirl. Both above and below us were visible fragments of vessels, large masses of building timber and trunks of trees, with many smaller articles, such as pieces of house furniture, broken boxes, barrels and staves. I have already described the unnatural curiosity which had taken the place of my original terrors. It appeared to grow upon me as I drew nearer and nearer to my dreadful doom. I now began to watch, with a strange interest, the numerous things that floated in our company. I *must* have been delirious — for I even sought *amusement* in speculating upon the relative velocities of their several descents toward the foam below. ‘This fir tree,’ I found myself at one time saying, ‘will certainly be the next thing that takes the awful plunge and disappears,’ — and then I was disappointed to find that the wreck of a Dutch merchant ship overtook it and went down before. At length, after making several guesses of this nature, and being deceived in all — this fact — the fact of my invariable miscalculation — set me upon a train of reflection that made my limbs again tremble, and my heart beat heavily once more.

“It was not a new terror that thus affected me, but the dawn of a more exciting *hope*. This hope arose partly from memory, and partly from present observation. I called to mind the great variety of buoyant matter that strewed the coast of Lofoden, having been absorbed and then thrown forth by the Moskoe-ström. By far the greater number of the articles were shattered

in the most extraordinary way — so chafed and roughened as to have the appearance of being stuck full of splinters — but then I distinctly recollected that there were *some* of them which were not disfigured at all. Now I could not account for this difference except by supposing that the roughened fragments were the only ones which had been *completely absorbed*— that the others had entered the whirl at so late a period of the tide, or, for some reason, had descended so slowly after entering, that they did not reach the bottom before the turn of the flood came, or of the ebb, as the case might be. I conceived it possible, in either instance, that they might thus be whirled up again to the level of the ocean, without undergoing the fate of those which had been drawn in more early, or absorbed more rapidly. I made, also, three important observations. The first was, that, as a general rule, the larger the bodies were, the more rapid their descent — the second, that, between two masses of equal extent, the one spherical, and the other *of any other shape*, the superiority in speed of descent was with the sphere — the third, that, between two masses of equal size, the one cylindrical, and the other of any other shape, the cylinder was absorbed the more slowly. Since my escape, I have had several conversations on this subject with an old school-master of the district; and it was from him that I learned the use of the words ‘cylinder’ and ‘sphere.’ He explained to me — although I have forgotten the explanation — how what I observed was, in fact, the natural consequence of the forms of the floating fragments — and showed me how it happened that

a cylinder, swimming in a vortex, offered more resistance to its suction, and was drawn in with greater difficulty than an equally bulky body, of any form whatever. (*1)

“There was one startling circumstance which went a great way in enforcing these observations, and rendering me anxious to turn them to account, and this was that, at every revolution, we passed something like a barrel, or else the yard or the mast of a vessel, while many of these things, which had been on our level when I first opened my eyes upon the wonders of the whirlpool, were now high up above us, and seemed to have moved but little from their original station.

“I no longer hesitated what to do. I resolved to lash myself securely to the water cask upon which I now held, to cut it loose from the counter, and to throw myself with it into the water. I attracted my brother’s attention by signs, pointed to the floating barrels that came near us, and did everything in my power to make him understand what I was about to do. I thought at length that he comprehended my design — but, whether this was the case or not, he shook his head despairingly, and refused to move from his station by the ring-bolt. It was impossible to reach him; the emergency admitted of no delay; and so, with a bitter struggle, I resigned him to his fate, fastened myself to the cask by means of the lashings which secured it to the counter, and precipitated myself with it into the sea, without another moment’s hesitation.

“The result was precisely what I had hoped it might be. As it is

myself who now tell you this tale — as you see that I *did* escape — and as you are already in possession of the mode in which this escape was effected, and must therefore anticipate all that I have farther to say — I will bring my story quickly to conclusion. It might have been an hour, or thereabout, after my quitting the smack, when, having descended to a vast distance beneath me, it made three or four wild gyrations in rapid succession, and, bearing my loved brother with it, plunged headlong, at once and forever, into the chaos of foam below. The barrel to which I was attached sunk very little farther than half the distance between the bottom of the gulf and the spot at which I leaped overboard, before a great change took place in the character of the whirlpool. The slope of the sides of the vast funnel became momentarily less and less steep. The gyrations of the whirl grew, gradually, less and less violent. By degrees, the froth and the rainbow disappeared, and the bottom of the gulf seemed slowly to uprise. The sky was clear, the winds had gone down, and the full moon was setting radiantly in the west, when I found myself on the surface of the ocean, in full view of the shores of Lofoden, and above the spot where the pool of the Moskoe-ström *had been*. It was the hour of the slack — but the sea still heaved in mountainous waves from the effects of the hurricane. I was borne violently into the channel of the Ström, and in a few minutes was hurried down the coast into the ‘grounds’ of the fishermen. A boat picked me up — exhausted from fatigue — and (now that the danger was removed) speechless from the memory of

its horror. Those who drew me on board were my old mates and daily companions — but they knew me no more than they would have known a traveller from the spirit-land. My hair which had been raven-black the day before, was as white as you see it now. They say too that the whole expression of my countenance had changed. I told them my story — they did not believe it. I now tell it to *you*— and I can scarcely expect you to put more faith in it than did the merry fishermen of Lofoden.”

VON KEMPELEN AND HIS DISCOVERY

AFTER THE very minute and elaborate paper by Arago, to say nothing of the summary in 'Silliman's Journal,' with the detailed statement just published by Lieutenant Maury, it will not be supposed, of course, that in offering a few hurried remarks in reference to Von Kempelen's discovery, I have any design to look at the subject in a scientific point of view. My object is simply, in the first place, to say a few words of Von Kempelen himself (with whom, some years ago, I had the honor of a slight personal acquaintance), since every thing which concerns him must necessarily, at this moment, be of interest; and, in the second place, to look in a general way, and speculatively, at the results of the discovery.

It may be as well, however, to premise the cursory observations which I have to offer, by denying, very decidedly, what seems to be a general impression (gleaned, as usual in a case of this kind, from the newspapers), viz.: that this discovery, astounding as it unquestionably is, is unanticipated.

By reference to the 'Diary of Sir Humphrey Davy' (Cottle and Munroe, London, pp. 150), it will be seen at pp. 53 and 82, that this illustrious chemist had not only conceived the idea now in question, but had actually made no inconsiderable

progress, experimentally, in the very identical analysis now so triumphantly brought to an issue by Von Kempelen, who although he makes not the slightest allusion to it, is, without doubt (I say it unhesitatingly, and can prove it, if required), indebted to the 'Diary' for at least the first hint of his own undertaking.

The paragraph from the 'Courier and Enquirer,' which is now going the rounds of the press, and which purports to claim the invention for a Mr. Kissam, of Brunswick, Maine, appears to me, I confess, a little apocryphal, for several reasons; although there is nothing either impossible or very improbable in the statement made. I need not go into details. My opinion of the paragraph is founded principally upon its manner. It does not look true. Persons who are narrating facts, are seldom so particular as Mr. Kissam seems to be, about day and date and precise location. Besides, if Mr. Kissam actually did come upon the discovery he says he did, at the period designated — nearly eight years ago — how happens it that he took no steps, on the instant, to reap the immense benefits which the merest bumpkin must have known would have resulted to him individually, if not to the world at large, from the discovery? It seems to me quite incredible that any man of common understanding could have discovered what Mr. Kissam says he did, and yet have subsequently acted so like a baby — so like an owl — as Mr. Kissam admits that he did. By-the-way, who is Mr. Kissam? and is not the whole paragraph in the 'Courier and Enquirer' a fabrication got up to 'make a talk'? It must be confessed that it has an amazingly moon-hoaxy-air. Very

little dependence is to be placed upon it, in my humble opinion; and if I were not well aware, from experience, how very easily men of science are mystified, on points out of their usual range of inquiry, I should be profoundly astonished at finding so eminent a chemist as Professor Draper, discussing Mr. Kissam's (or is it Mr. Quizzem's?) pretensions to the discovery, in so serious a tone.

But to return to the 'Diary' of Sir Humphrey Davy. This pamphlet was not designed for the public eye, even upon the decease of the writer, as any person at all conversant with authorship may satisfy himself at once by the slightest inspection of the style. At page 13, for example, near the middle, we read, in reference to his researches about the protoxide of azote: 'In less than half a minute the respiration being continued, diminished gradually and were succeeded by analogous to gentle pressure on all the muscles.' That the respiration was not 'diminished,' is not only clear by the subsequent context, but by the use of the plural, 'were.' The sentence, no doubt, was thus intended: 'In less than half a minute, the respiration [being continued, these feelings] diminished gradually, and were succeeded by [a sensation] analogous to gentle pressure on all the muscles.' A hundred similar instances go to show that the MS. so inconsiderately published, was merely a rough note-book, meant only for the writer's own eye, but an inspection of the pamphlet will convince almost any thinking person of the truth of my suggestion. The fact is, Sir Humphrey Davy was about the last man in the world

to commit himself on scientific topics. Not only had he a more than ordinary dislike to quackery, but he was morbidly afraid of appearing empirical; so that, however fully he might have been convinced that he was on the right track in the matter now in question, he would never have spoken out, until he had every thing ready for the most practical demonstration. I verily believe that his last moments would have been rendered wretched, could he have suspected that his wishes in regard to burning this 'Diary' (full of crude speculations) would have been unattended to; as, it seems, they were. I say 'his wishes,' for that he meant to include this note-book among the miscellaneous papers directed 'to be burnt,' I think there can be no manner of doubt. Whether it escaped the flames by good fortune or by bad, yet remains to be seen. That the passages quoted above, with the other similar ones referred to, gave Von Kempelen the hint, I do not in the slightest degree question; but I repeat, it yet remains to be seen whether this momentous discovery itself (momentous under any circumstances) will be of service or disservice to mankind at large. That Von Kempelen and his immediate friends will reap a rich harvest, it would be folly to doubt for a moment. They will scarcely be so weak as not to 'realize,' in time, by large purchases of houses and land, with other property of intrinsic value.

In the brief account of Von Kempelen which appeared in the 'Home Journal,' and has since been extensively copied, several misapprehensions of the German original seem to have been made by the translator, who professes to have taken the

passage from a late number of the Presburg 'Schnellpost.' 'Viele' has evidently been misconceived (as it often is), and what the translator renders by 'sorrows,' is probably 'lieden,' which, in its true version, 'sufferings,' would give a totally different complexion to the whole account; but, of course, much of this is merely guess, on my part.

Von Kempelen, however, is by no means 'a misanthrope,' in appearance, at least, whatever he may be in fact. My acquaintance with him was casual altogether; and I am scarcely warranted in saying that I know him at all; but to have seen and conversed with a man of so prodigious a notoriety as he has attained, or will attain in a few days, is not a small matter, as times go.

'The Literary World' speaks of him, confidently, as a native of Presburg (misled, perhaps, by the account in 'The Home Journal') but I am pleased in being able to state positively, since I have it from his own lips, that he was born in Utica, in the State of New York, although both his parents, I believe, are of Presburg descent. The family is connected, in some way, with Maelzel, of Automaton-chess-player memory. In person, he is short and stout, with large, fat, blue eyes, sandy hair and whiskers, a wide but pleasing mouth, fine teeth, and I think a Roman nose. There is some defect in one of his feet. His address is frank, and his whole manner noticeable for bonhomie. Altogether, he looks, speaks, and acts as little like 'a misanthrope' as any man I ever saw. We were fellow-sojourners for a week about six years ago,

at Earl's Hotel, in Providence, Rhode Island; and I presume that I conversed with him, at various times, for some three or four hours altogether. His principal topics were those of the day, and nothing that fell from him led me to suspect his scientific attainments. He left the hotel before me, intending to go to New York, and thence to Bremen; it was in the latter city that his great discovery was first made public; or, rather, it was there that he was first suspected of having made it. This is about all that I personally know of the now immortal Von Kempelen; but I have thought that even these few details would have interest for the public.

There can be little question that most of the marvellous rumors afloat about this affair are pure inventions, entitled to about as much credit as the story of Aladdin's lamp; and yet, in a case of this kind, as in the case of the discoveries in California, it is clear that the truth may be stranger than fiction. The following anecdote, at least, is so well authenticated, that we may receive it implicitly.

Von Kempelen had never been even tolerably well off during his residence at Bremen; and often, it was well known, he had been put to extreme shifts in order to raise trifling sums. When the great excitement occurred about the forgery on the house of Gutmuth & Co., suspicion was directed toward Von Kempelen, on account of his having purchased a considerable property in Gasperitch Lane, and his refusing, when questioned, to explain how he became possessed of the purchase money. He was at

length arrested, but nothing decisive appearing against him, was in the end set at liberty. The police, however, kept a strict watch upon his movements, and thus discovered that he left home frequently, taking always the same road, and invariably giving his watchers the slip in the neighborhood of that labyrinth of narrow and crooked passages known by the flash name of the 'Dondergat.' Finally, by dint of great perseverance, they traced him to a garret in an old house of seven stories, in an alley called Flatzplatz, — and, coming upon him suddenly, found him, as they imagined, in the midst of his counterfeiting operations. His agitation is represented as so excessive that the officers had not the slightest doubt of his guilt. After hand-cuffing him, they searched his room, or rather rooms, for it appears he occupied all the mansarde.

Opening into the garret where they caught him, was a closet, ten feet by eight, fitted up with some chemical apparatus, of which the object has not yet been ascertained. In one corner of the closet was a very small furnace, with a glowing fire in it, and on the fire a kind of duplicate crucible — two crucibles connected by a tube. One of these crucibles was nearly full of lead in a state of fusion, but not reaching up to the aperture of the tube, which was close to the brim. The other crucible had some liquid in it, which, as the officers entered, seemed to be furiously dissipating in vapor. They relate that, on finding himself taken, Kempelen seized the crucibles with both hands (which were encased in gloves that afterwards turned out to be asbestic), and

threw the contents on the tiled floor. It was now that they handcuffed him; and before proceeding to ransack the premises they searched his person, but nothing unusual was found about him, excepting a paper parcel, in his coat-pocket, containing what was afterward ascertained to be a mixture of antimony and some unknown substance, in nearly, but not quite, equal proportions. All attempts at analyzing the unknown substance have, so far, failed, but that it will ultimately be analyzed, is not to be doubted.

Passing out of the closet with their prisoner, the officers went through a sort of ante-chamber, in which nothing material was found, to the chemist's sleeping-room. They here rummaged some drawers and boxes, but discovered only a few papers, of no importance, and some good coin, silver and gold. At length, looking under the bed, they saw a large, common hair trunk, without hinges, hasp, or lock, and with the top lying carelessly across the bottom portion. Upon attempting to draw this trunk out from under the bed, they found that, with their united strength (there were three of them, all powerful men), they 'could not stir it one inch.' Much astonished at this, one of them crawled under the bed, and looking into the trunk, said:

'No wonder we couldn't move it — why it's full to the brim of old bits of brass!'

Putting his feet, now, against the wall so as to get a good purchase, and pushing with all his force, while his companions pulled with all theirs, the trunk, with much difficulty, was slid out from under the bed, and its contents examined. The supposed

brass with which it was filled was all in small, smooth pieces, varying from the size of a pea to that of a dollar; but the pieces were irregular in shape, although more or less flat-looking, upon the whole, 'very much as lead looks when thrown upon the ground in a molten state, and there suffered to grow cool.' Now, not one of these officers for a moment suspected this metal to be any thing but brass. The idea of its being gold never entered their brains, of course; how could such a wild fancy have entered it? And their astonishment may be well conceived, when the next day it became known, all over Bremen, that the 'lot of brass' which they had carted so contemptuously to the police office, without putting themselves to the trouble of pocketing the smallest scrap, was not only gold — real gold — but gold far finer than any employed in coinage-gold, in fact, absolutely pure, virgin, without the slightest appreciable alloy.

I need not go over the details of Von Kempelen's confession (as far as it went) and release, for these are familiar to the public. That he has actually realized, in spirit and in effect, if not to the letter, the old chimaera of the philosopher's stone, no sane person is at liberty to doubt. The opinions of Arago are, of course, entitled to the greatest consideration; but he is by no means infallible; and what he says of bismuth, in his report to the Academy, must be taken *cum grano salis*. The simple truth is, that up to this period all analysis has failed; and until Von Kempelen chooses to let us have the key to his own published enigma, it is more than probable that the matter will remain, for

years, in statu quo. All that as yet can fairly be said to be known is, that 'Pure gold can be made at will, and very readily from lead in connection with certain other substances, in kind and in proportions, unknown.'

Speculation, of course, is busy as to the immediate and ultimate results of this discovery — a discovery which few thinking persons will hesitate in referring to an increased interest in the matter of gold generally, by the late developments in California; and this reflection brings us inevitably to another — the exceeding inopportuneness of Von Kempelen's analysis. If many were prevented from adventuring to California, by the mere apprehension that gold would so materially diminish in value, on account of its plentifulness in the mines there, as to render the speculation of going so far in search of it a doubtful one — what impression will be wrought now, upon the minds of those about to emigrate, and especially upon the minds of those actually in the mineral region, by the announcement of this astounding discovery of Von Kempelen? a discovery which declares, in so many words, that beyond its intrinsic worth for manufacturing purposes (whatever that worth may be), gold now is, or at least soon will be (for it cannot be supposed that Von Kempelen can long retain his secret), of no greater value than lead, and of far inferior value to silver. It is, indeed, exceedingly difficult to speculate prospectively upon the consequences of the discovery, but one thing may be positively maintained — that the announcement of the discovery six months ago would have had

material influence in regard to the settlement of California.

In Europe, as yet, the most noticeable results have been a rise of two hundred per cent. in the price of lead, and nearly twenty-five per cent. that of silver.

MESMERIC REVELATION

WHATEVER doubt may still envelop the *rationale* of mesmerism, its startling *facts* are now almost universally admitted. Of these latter, those who doubt, are your mere doubters by profession — an unprofitable and disreputable tribe. There can be no more absolute waste of time than the attempt to *prove*, at the present day, that man, by mere exercise of will, can so impress his fellow, as to cast him into an abnormal condition, of which the phenomena resemble very closely those of *death*, or at least resemble them more nearly than they do the phenomena of any other normal condition within our cognizance; that, while in this state, the person so impressed employs only with effort, and then feebly, the external organs of sense, yet perceives, with keenly refined perception, and through channels supposed unknown, matters beyond the scope of the physical organs; that, moreover, his intellectual faculties are wonderfully exalted and invigorated; that his sympathies with the person so impressing him are profound; and, finally, that his susceptibility to the impression increases with its frequency, while, in the same proportion, the peculiar phenomena elicited are more extended and more *pronounced*.

I say that these — which are the laws of mesmerism in its general features — it would be supererogation to demonstrate; nor shall I

inflict upon my readers so needless a demonstration; to-

day. My purpose at present is a very different one indeed. I am impelled, even in the teeth of a world of prejudice, to detail without comment the very remarkable substance of a colloquy, occurring between a sleep-waker and myself.

I had been long in the habit of mesmerizing the person in question, (Mr. Vankirk,) and the usual acute susceptibility and exaltation of the mesmeric perception had supervened. For many months he had been laboring under confirmed phthisis, the more distressing effects of which had been relieved by my manipulations; and on the night of

Wednesday, the fifteenth instant, I was summoned to his bedside.

The invalid was suffering with acute pain in the region of the heart, and breathed with great difficulty, having all the ordinary symptoms of asthma. In spasms such as these he had usually found relief from the application of mustard to the nervous centres, but to-night this had been attempted in vain.

As I entered his room he greeted me with a cheerful smile, and although evidently in much bodily pain, appeared to be, mentally, quite at ease.

“I sent for you to-night,” he said, “not so much to administer to my bodily ailment, as to satisfy me concerning certain psychal impressions which, of late, have occasioned me much anxiety and surprise. I need not tell you how sceptical I have hitherto been on the topic of the soul’s immortality. I cannot deny that there has always existed, as if in that very soul which I have been denying, a vague half-sentiment of its own existence. But this half-sentiment

at no time amounted to conviction. With it my reason had nothing to do.

All attempts at logical inquiry resulted, indeed, in leaving me more sceptical than before. I had been advised to study Cousin. I studied him in his own works as well as in those of his European and American echoes. The 'Charles Elwood' of Mr. Brownson, for example, was placed in my hands. I read it with profound attention. Throughout I found it logical, but the portions which were not *merely* logical were unhappily the initial arguments of the disbelieving hero of the book. In his summing up it seemed evident to me that the reasoner had not even succeeded in convincing himself. His end had plainly forgotten his beginning, like the government of Trinculo. In short, I was not long in perceiving that if man is to be intellectually convinced of his own immortality, he will never be so convinced by the mere abstractions which have been so long the fashion of the moralists of England, of

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