

The Dilemma of Determinism

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A common opinion prevails that the juice has ages ago been pressed out of the free-will controversy, and that no new champion can do more than warm up stale arguments which every one has heard. This is a radical mistake. I know of no subject less worn out, or in which inventive genius has a better chance of breaking open new ground,—not, perhaps, of forcing a conclusion or of coercing assent, but of deepening our sense of what the issue between the two parties really is, of what the ideas of fate and of free-will imply. At our very side almost, in the past few years, we have seen falling in rapid succession from the press works that present the alternative in entirely novel lights. Not to speak of the English disciples of Hegel, such as Green and Bradley; not to speak of Hinton and Hodgson, nor of Hazard here,—we see in the writings of Renouvier, Fouillée, and Delboeuf¹ how completely changed and refreshed is the form of all the old disputes. I cannot pretend to vie in originality with any of the masters I have named, and my ambition limits itself to just one little point. If I can make two of the necessarily implied corollaries of determinism clearer to you than they have been made before, I shall have made it possible for you to decide for or against that doctrine with a better understanding of what you are about. And if you prefer not to decide at all, but to remain doubters, you will at least see more plainly what the subject of your hesitation is. I thus disclaim openly on the threshold all pretension to prove to you that the freedom of the will is true. The most I hope is to induce some of you to follow my own example in assuming it true, and acting as if it were true. If it be true, it seems to me that this is involved in the strict logic of the case. Its truth ought not to be forced willy-nilly down our indifferent throats. It ought to be freely espoused by men who can equally well turn their backs upon it. In other words, our first act of freedom, if we are free, ought in all inward propriety to be to affirm that we are free. This should exclude, it seems to me, from the free-will side of the question all hope of a coercive demonstration,—a demonstration which I, for one, am perfectly contented to go without.

With thus much understood at the outset, we can advance. But not without one more point understood as well. The arguments I am about to urge all proceed on two suppositions: first, when we make theories about the world and discuss them with one another, we do so in order to attain a conception of things which shall give us subjective satisfaction; and, second, if there be two conceptions, and the one seems to us, on the whole, more rational than the other, we are entitled to suppose that the more rational one is the truer of the two. I hope that you are all willing to make these suppositions with me; for I am afraid that if there be any of you here who are not, they will find little edification in the rest of what I have to say. I cannot stop to argue the point; but I myself believe that all the magnificent achievements of mathematical and physical science—our doctrines of evolution, of uniformity of law, and the rest—proceed from our indomitable desire to cast the world into a more rational shape in our minds than the shape into which it is thrown there by the crude order of our experience. The world has shown itself, to a great extent, plastic to this demand of ours for rationality. How much farther it will show itself plastic no one can say. Our only means of finding out is to try; and I, for one, feel as free to try conceptions of moral as of mechanical or of logical rationality. If a certain formula for expressing the nature of the world violates my moral demand, I shall feel as free to throw it overboard, or at least to doubt it, as if it disappointed my demand for uniformity of sequence, for example; the one demand being, so far as I can see, quite as subjective and emotional as the other is. The principle of causality, for example,—what is it but a postulate, an empty name covering simply a demand that the sequence of events shall some day manifest a deeper kind of belonging of one thing with another than the mere

arbitrary juxtaposition which now phenomenally appears? It is as much an altar to an unknown god as the one that Saint Paul found at Athens. All our scientific and philosophic ideals are altars to unknown gods. Uniformity is as much so as is free-will. If this be admitted, we can debate on even terms. But if any one pretends that while freedom and variety are, in the first instance, subjective demands, necessity and uniformity are something altogether different, I do not see how we can debate at all.²

To begin, then, I must suppose you acquainted with all the usual arguments on the subject. I cannot stop to take up the old proofs from causation, from statistics, from the certainty with which we can foretell one another's conduct, from the fixity of character, and all the rest. But there are two words which usually encumber these classical arguments, and which we must immediately dispose of if we are to make any progress. One is the eulogistic word *freedom*, and the other is the opprobrious word *chance*. The word 'chance' I wish to keep, but I wish to get rid of the word 'freedom.' Its eulogistic associations have so far overshadowed all the rest of its meaning that both parties claim the sole right to use it, and determinists to-day insist that they alone are freedom's champions. Old-fashioned determinism was what we may call *hard* determinism. It did not shrink from such words as fatality, bondage of the will, necessitation, and the like. Nowadays, we have a *soft* determinism which abhors harsh words, and, repudiating fatality, necessity, and even predetermination, says that its real name is freedom; for freedom is only necessity understood, and bondage to the highest is identical with true freedom. Even a writer as little used to making capital out of soft words as Mr. Hodgson hesitates not to call himself a 'free-will determinist.'

Now, all this is a quagmire of evasion under which the real issue of fact has been entirely smothered. Freedom in all these senses presents simply no problem at all. No matter what the soft determinist mean by it,—whether he mean the acting without external constraint; whether he mean the acting rightly, or whether he mean the acquiescing in the law of the whole,—who cannot answer him that sometimes we are free and sometimes we are not? But there *is* a problem, an issue of fact and not of words, an issue of the most momentous importance, which is often decided without discussion in one sentence,—nay, in one clause of a sentence,—by those very writers who spin out whole chapters in their efforts to show what 'true' freedom is; and that is the question of determinism, about which we are to talk to-night.

Fortunately, no ambiguities hang about this word or about its opposite, indeterminism. Both designate an outward way in which things may happen, and their cold and mathematical sound has no sentimental associations that can bribe our partiality either way in advance. Now, evidence of an external kind to decide between determinism and indeterminism is, as I intimated a while back, strictly impossible to find. Let us look at the difference between them and see for ourselves. What does determinism profess?

It professes that those parts of the universe already laid down absolutely appoint and decree what the other parts shall be. The future has no ambiguous possibilities hidden in its womb: the part we call the present is compatible with only one totality. Any other future complement than the one fixed from eternity is impossible. The whole is in each and every part, and welds it with the rest into an absolute unity, an iron block, in which there can be no equivocation or shadow of turning.

"With earth's first clay they did the last man knead,
And there of the last harvest sowed the seed.
And the first morning of creation wrote
What the last dawn of reckoning shall read."

Indeterminism, on the contrary, says that the parts have a certain amount of loose play on one another, so that the laying down of one of them does not necessarily determine what the others shall be. It admits that possibilities may be in excess of actualities, and that things not yet revealed to our knowledge may really in themselves be ambiguous. Of two alternative futures which we conceive, both may now be really possible; and the one become impossible only at the very moment when the other excludes it by becoming real itself. Indeterminism thus denies the world to be one unbending unit of fact. It says there is a certain ultimate pluralism in it; and, so saying, it corroborates our ordinary unsophisticated view of things. To that view, actualities seem to float in a wider sea of possibilities from out of which they are chosen; and, *somewhere*, indeterminism says, such possibilities exist, and form a part of truth.

Determinism, on the contrary, says they exist *nowhere*, and that necessity on the one hand and impossibility on the other are the sole categories of the real. Possibilities that fail to get realized are, for determinism, pure illusions: they never were possibilities at all. There is nothing inchoate, it says, about this universe of ours, all that was or is or shall be actual in it having been from eternity virtually there. The cloud of alternatives our minds escort this mass of actuality withal is a cloud of sheer deceptions, to which 'impossibilities' is the only name that rightfully belongs.

The issue, it will be seen, is a perfectly sharp one, which no eulogistic terminology can smear over or wipe out. The truth *must* lie with one side or the other, and its lying with one side makes the other false.

The question relates solely to the existence of possibilities, in the strict sense of the term, as things that may, but need not, be. Both sides admit that a volition, for instance, has occurred. The indeterminists say another volition might have occurred in its place; the determinists swear that nothing could possibly have occurred in its place. Now, can science be called in to tell us which of these two point-blank contradictors of each other is right? Science professes to draw no conclusions but such as are based on matters of fact, things that have actually happened; but how can any amount of assurance that something actually happened give us the least grain of information as to whether another thing might or might not have happened in its place? Only facts can be proved by other facts. With things that are possibilities and not facts, facts have no concern. If we have no other evidence than the evidence of existing facts, the possibility-question must remain a mystery never to be cleared up.

And the truth is that facts practically have hardly anything to do with making us either determinists or indeterminists. Sure enough, we make a flourish of quoting facts this way or that; and if we are determinists, we talk about the infallibility with which we can predict one another's conduct; while if we are indeterminists, we lay great stress on the fact that it is just because we cannot foretell one another's conduct, either in war or statecraft or in any of the great and small intrigues and businesses of men, that life is so intensely anxious and hazardous a game. But who does not see the wretched insufficiency of this so-called objective testimony on both sides? What fills up the gaps in our minds is something not objective, not external. What divides us into possibility men and anti-possibility men is

different faiths or postulates,—postulates of rationality. To this man the world seems more rational with possibilities in it,—to that man more rational with possibilities excluded; and talk as we will about having to yield to evidence, what makes us monists or pluralists, determinists or indeterminists, is at bottom always some sentiment like this.

The stronghold of the deterministic sentiment is the antipathy to the idea of chance. As soon as we begin to talk indeterminism to our friends, we find a number of them shaking their heads. This notion of alternative possibility, they say, this admission that any one of several things may come to pass, is, after all, only a roundabout name for chance; and chance is something the notion of which no sane mind can for an instant tolerate in the world. What is it, they ask, but barefaced crazy unreason, the negation of intelligibility and law? And if the slightest particle of it exist anywhere, what is to prevent the whole fabric from falling together, the stars from going out, and chaos from recommencing her topsy-turvy reign?

Remarks of this sort about chance will put an end to discussion as quickly as anything one can find. I have already told you that 'chance' was a word I wished to keep and use. Let us then examine exactly what it means, and see whether it ought to be such a terrible bugbear to us. I fancy that squeezing the thistle boldly will rob it of its sting.

The sting of the word 'chance' seems to lie in the assumption that it means something positive, and that if anything happens by chance, it must needs be something of an intrinsically irrational and preposterous sort. Now, chance means nothing of the kind. It is a purely negative and relative term,³ giving us no information about that of which it is predicated, except that it happens to be disconnected with something else,—not controlled, secured, or necessitated by other things in advance of its own actual presence. As this point is the most subtle one of the whole lecture, and at the same time the point on which all the rest hinges, I beg you to pay particular attention to it. What I say is that it tells us nothing about what a thing may be in itself to call it 'chance.' It may be a bad thing, it may be a good thing. It may be lucidity, transparency, fitness incarnate, matching the whole system of other things, when it has once befallen, in an unimaginably perfect way. All you mean by calling it 'chance' is that this is not guaranteed, that it may also fall out otherwise. For the system of other things has no positive hold on the chance-thing. Its origin is in a certain fashion negative: it escapes, and says, Hands off! coming, when it comes, as a free gift, or not at all.

This negativeness, however, and this opacity of the chance-thing when thus considered *ab. extra*, or from the point of view of previous things or distant things, do not preclude its having any amount of positiveness and luminosity from within, and at its own place and moment. All that its chance-character asserts about it is that there is something in it really of its own, something that is not the unconditional property of the whole. If the whole wants this property, the whole must wait till it can get it, if it be a matter of chance. That the universe may actually be a sort of joint-stock society of this sort, in which the sharers have both limited liabilities and limited powers, is of course a simple and conceivable notion.

Nevertheless, many persons talk as if the minutest dose of disconnectedness of one part with another, the smallest modicum of independence, the faintest tremor of ambiguity about the future, for example, would ruin everything, and turn this goodly universe into a sort of insane sand-heap or nulliverse, no universe at all. Since future human volitions are as a matter of fact the only ambiguous things we are tempted to believe in, let us stop for a moment to make ourselves sure whether their independent and accidental character need be fraught with such direful consequences to the universe as these.

What is meant by saying that my choice of which way to walk home after the lecture is ambiguous and matter of chance as far as the present moment is concerned? It means that both Divinity Avenue and Oxford Street are called; but that only one, and that one *either* one, shall be chosen. Now, I ask you seriously to suppose that this ambiguity of my choice is real; and then to make the impossible hypothesis that the choice is made twice over, and each time falls on a different street. In other words, imagine that I first walk through Divinity Avenue, and then imagine that the powers governing the universe annihilate ten minutes of time with all that it contained, and set me back at the door of this hall just as I was before the choice was made. Imagine then that, everything else being the same, I now make a different choice and traverse Oxford Street. You, as passive spectators, look on and see the two alternative universes,—one of them with me walking through Divinity Avenue in it, the other with the same me walking through Oxford Street. Now, if you are determinists you believe one of these universes to have been from eternity impossible: you believe it to have been impossible because of the intrinsic irrationality or accidentality somewhere involved in it. But looking outwardly at these universes, can you say which is the impossible and accidental one, and which the rational and necessary one? I doubt if the most iron-clad determinist among you could have the slightest glimmer of light on this point. In other words, either universe *after the fact* and once there would, to our means of observation and understanding, appear just as rational as the other. There would be absolutely no criterion by which we might judge one necessary and the other matter of chance. Suppose now we relieve the gods of their hypothetical task and assume my choice, once made, to be made forever. I go through Divinity Avenue for good and all. If, as good determinists, you now begin to affirm, what all good determinists punctually do affirm, that in the nature of things I *couldn't* have gone through Oxford Street,—had I done so it would have been chance, irrationality, insanity, a horrid gap in nature,—I simply call your attention to this, that your affirmation is what the Germans call a *Machtspruch*, a mere conception fulminated as a dogma and based on no insight into details. Before my choice, either street seemed as natural to you as to me. Had I happened to take Oxford Street, Divinity Avenue would have figured in your philosophy as the gap in nature; and you would have so proclaimed it with the best deterministic conscience in the world.

But what a hollow outcry, then, is this against a chance which, if it were present to us, we could by no character whatever distinguish from a rational necessity! I have taken the most trivial of examples, but no possible example could lead to any different result. For what are the alternatives which, in point of fact, offer themselves to human volition? What are those futures that now seem matters of chance? Are they not one and all like the Divinity Avenue and Oxford Street of our example? Are they not all of them *kinds* of things already here and based in the existing frame of nature? Is any one ever tempted to produce an *absolute* accident, something utterly irrelevant to the rest of the world? Do not all the motives that assail us, all the futures that offer themselves to our choice, spring equally from the soil of the past; and would not either one of them, whether realized through chance or through necessity, the moment it was realized, seem to us to fit that past, and in the completest and most continuous manner to interdigitate with the phenomena already there?⁴ The more one thinks of the matter, the more one wonders that so empty and gratuitous a hubbub as this outcry against chance should have found so great an echo in the hearts of men. It is a word which tells us absolutely nothing about what chances, or about the *modus operandi* of the chancing; and the use of it as a war-cry shows only a temper of intellectual absolutism, a demand that the world shall be a solid block, subject to one control,—which temper, which demand, the world may not be bound to gratify at all. In every outwardly verifiable and practical respect, a world in which the alternatives that now actually distract *your* choice were decided by pure chance would be by *me* absolutely undistinguished from the world in which I now live. I am, therefore, entirely willing to call it, so far as your choices go, a world of chance for me. To *yourselves*, it is true, those very acts of choice, which to me are so blind, opaque, and external, are the opposites of

this, for you are within them and effect them. To you they appear as decisions; and decisions, for him who makes them, are altogether peculiar psychic facts. Self-luminous and self-justifying at the living moment at which they occur, they appeal to no outside moment to put its stamp upon them or make them continuous with the rest of nature. Themselves it is rather who seem to make nature continuous; and in their strange and intense function of granting consent to one possibility and withholding it from another, to transform an equivocal and double future into an inalterable and simple past.

But with the psychology of the matter we have no concern this evening. The quarrel which determinism has with chance fortunately has nothing to do with this or that psychological detail. It is a quarrel altogether metaphysical. Determinism denies the ambiguity of future volitions, because it affirms that nothing future can be ambiguous. But we have said enough to meet the issue. Indeterminate future volitions do mean chance. Let us not fear to shout it from the house-tops if need be; for we now know that the idea of chance is, at bottom, exactly the same thing as the idea of gift,—the one simply being a disparaging, and the other a eulogistic, name for anything on which we have no effective *claim*. And whether the world be the better or the worse for having either chances or gifts in it will depend altogether on *what* these uncertain and unclaimable things turn out to be.

And this at last brings us within sight of our subject. We have seen what determinism means: we have seen that indeterminism is rightly described as meaning chance; and we have seen that chance, the very name of which we are urged to shrink from as from a metaphysical pestilence, means only the negative fact that no part of the world, however big, can claim to control absolutely the destinies of the whole. But although, in discussing the word 'chance,' I may at moments have seemed to be arguing for its real existence, I have not meant to do so yet. We have not yet ascertained whether this be a world of chance or no; at most, we have agreed that it seems so. And I now repeat what I said at the outset, that, from any strict theoretical point of view, the question is insoluble. To deepen our theoretic sense of the *difference* between a world with chances in it and a deterministic world is the most I can hope to do; and this I may now at last begin upon, after all our tedious clearing of the way.

I wish first of all to show you just what the notion that this is a deterministic world implies. The implications I call your attention to are all bound up with the fact that it is a world in which we constantly have to make what I shall, with your permission, call judgments of regret. Hardly an hour passes in which we do not wish that something might be otherwise; and happy indeed are those of us whose hearts have never echoed the wish of Omar Khayam—

"That we might clasp, ere closed, the book of fate,
And make the writer on a fairer leaf
Inscribe our names, or quite obliterate.

"Ah! Love, could you and I with fate conspire
To mend this sorry scheme of things entire,
Would we not shatter it to bits, and then
Remould it nearer to the heart's desire?"

Now, it is undeniable that most of these regrets are foolish, and quite on a par in point of philosophic value with the criticisms on the universe of that friend of our infancy, the hero of the fable The Atheist

and the Acorn,—

"Fool! had that bough a pumpkin bore,
Thy whimsies would have worked no more," etc.

Even from the point of view of our own ends, we should probably make a botch of remodelling the universe. How much more then from the point of view of ends we cannot see! Wise men therefore regret as little as they can. But still some regrets are pretty obstinate and hard to stifle,—regrets for acts of wanton cruelty or treachery, for example, whether performed by others or by ourselves. Hardly any one can remain *entirely* optimistic after reading the confession of the murderer at Brockton the other day: how, to get rid of the wife whose continued existence bored him, he inveigled her into a desert spot, shot her four times, and then, as she lay on the ground and said to him, "You didn't do it on purpose, did you, dear?" replied, "No, I didn't do it on purpose," as he raised a rock and smashed her skull. Such an occurrence, with the mild sentence and self-satisfaction of the prisoner, is a field for a crop of regrets, which one need not take up in detail. We feel that, although a perfect mechanical fit to the rest of the universe, it is a bad moral fit, and that something else would really have been better in its place.

But for the deterministic philosophy the murder, the sentence, and the prisoner's optimism were all necessary from eternity; and nothing else for a moment had a ghost of a chance of being put into their place. To admit such a chance, the determinists tell us, would be to make a suicide of reason; so we must steel our hearts against the thought. And here our plot thickens, for we see the first of those difficult implications of determinism and monism which it is my purpose to make you feel. If this Brockton murder was called for by the rest of the universe, if it had to come at its preappointed hour, and if nothing else would have been consistent with the sense of the whole, what are we to think of the universe? Are we stubbornly to stick to our judgment of regret, and say, though it *couldn't* be, yet it *would* have been a better universe with something different from this Brockton murder in it? That, of course, seems the natural and spontaneous thing for us to do; and yet it is nothing short of deliberately espousing a kind of pessimism. The judgment of regret calls the murder bad. Calling a thing bad means, if it mean anything at all, that the thing ought not to be, that something else ought to be in its stead. Determinism, in denying that anything else can be in its stead, virtually defines the universe as a place in which what ought to be is impossible,—in other words, as an organism whose constitution is afflicted with an incurable taint, an irremediable flaw. The pessimism of a Schopenhauer says no more than this,—that the murder is a symptom; and that it is a vicious symptom because it belongs to a vicious whole, which can express its nature no otherwise than by bringing forth just such a symptom as that at this particular spot. Regret for the murder must transform itself, if we are determinists and wise, into a larger regret. It is absurd to regret the murder alone. Other things being what they are, *it* could not be different. What we should regret is that whole frame of things of which the murder is one member. I see no escape whatever from this pessimistic conclusion, if, being determinists, our judgment of regret is to be allowed to stand at all.

The only deterministic escape from pessimism is everywhere to abandon the judgment of regret. That this can be done, history shows to be not impossible. The devil, *quoad existentiam*, may be good. That is, although he be a *principle* of evil, yet the universe, with such a principle in it, may practically be a better universe than it could have been without. On every hand, in a small way, we find that a certain

amount of evil is a condition by which a higher form of good is bought. There is nothing to prevent anybody from generalizing this view, and trusting that if we could but see things in the largest of all ways, even such matters as this Brockton murder would appear to be paid for by the uses that follow in their train. An optimism *quand même*, a systematic and infatuated optimism like that ridiculed by Voltaire in his *Candide*, is one of the possible ideal ways in which a man may train himself to look on life. Bereft of dogmatic hardness and lit up with the expression of a tender and pathetic hope, such an optimism has been the grace of some of the most religious characters that ever lived.

"Throb thine with Nature's throbbing breast,
And all is clear from east to west."

Even cruelty and treachery may be among the absolutely blessed fruits of time, and to quarrel with any of their details may be blasphemy. The only real blasphemy, in short, may be that pessimistic temper of the soul which lets it give way to such things as regrets, remorse, and grief.

Thus, our deterministic pessimism may become a deterministic optimism at the price of extinguishing our judgments of regret.

But does not this immediately bring us into a curious logical predicament? Our determinism leads us to call our judgments of regret wrong, because they are pessimistic in implying that what is impossible yet ought to be. But how then about the judgments of regret themselves? If they are wrong, other judgments, judgments of approval presumably, ought to be in their place. But as they are necessitated, nothing else *can* be in their place; and the universe is just what it was before,—namely, a place in which what ought to be appears impossible. We have got one foot out of the pessimistic bog, but the other one sinks all the deeper. We have rescued our actions from the bonds of evil, but our judgments are now held fast. When murders and treacheries cease to be sins, regrets are theoretic absurdities and errors. The theoretic and the active life thus play a kind of see-saw with each other on the ground of evil. The rise of either sends the other down. Murder and treachery cannot be good without regret being bad: regret cannot be good without treachery and murder being bad. Both, however, are supposed to have been foredoomed; so something must be fatally unreasonable, absurd, and wrong in the world. It must be a place of which either sin or error forms a necessary part. From this dilemma there seems at first sight no escape. Are we then so soon to fall back into the pessimism from which we thought we had emerged? And is there no possible way by which we may, with good intellectual consciences, call the cruelties and the treacheries, the reluctances and the regrets, *all* good together?

Certainly there is such a way, and you are probably most of you ready to formulate it yourselves. But, before doing so, remark how inevitably the question of determinism and indeterminism slides us into the question of optimism and pessimism, or, as our fathers called it, 'the question of evil.' The theological form of all these disputes is the simplest and the deepest, the form from which there is the least escape,—not because, as some have sarcastically said, remorse and regret are clung to with a morbid fondness by the theologians as spiritual luxuries, but because they are existing facts of the world, and as such must be taken into account in the deterministic interpretation of all that is fated to be. If they are fated to be error, does not the bat's wing of irrationality still cast its shadow over the world?

The refuge from the quandary lies, as I said, not far off. The necessary acts we erroneously regret may be good, and yet our error in so regretting them may be also good, on one simple condition; and that condition is this: The world must not be regarded as a machine whose final purpose is the making real of any outward good, but rather as a contrivance for deepening the theoretic consciousness of what goodness and evil in their intrinsic natures are. Not the doing either of good or of evil is what nature cares for, but the knowing of them. Life is one long eating of the fruit of the tree of *knowledge*. I am in the habit, in thinking to myself, of calling this point of view the *gnostical* point of view. According to it, the world is neither an optimism nor a pessimism, but a *gnosticism*. But as this term may perhaps lead to some misunderstandings, I will use it as little as possible here, and speak rather of *subjectivism*, and the *subjectivistic* point of view.

Subjectivism has three great branches,—we may call them scientificism, sentimentalism, and sensualism, respectively. They all agree essentially about the universe, in deeming that what happens there is subsidiary to what we think or feel about it. Crime justifies its criminality by awakening our intelligence of that criminality, and eventually our remorse and regrets; and the error included in remorse and regrets, the error of supposing that the past could have been different, justifies itself by its use. Its use is to quicken our sense of *what* the irretrievably lost is. When we think of it as that which might have been ('the saddest words of tongue or pen'), the quality of its worth speaks to us with a wilder sweetness; and, conversely, the dissatisfaction wherewith we think of what seems to have driven it from its natural place gives us the severer pang. Admirable artifice of nature! we might be tempted to exclaim,—deceiving us in order the better to enlighten us, and leaving nothing undone to accentuate to our consciousness the yawning distance of those opposite poles of good and evil between which creation swings.

We have thus clearly revealed to our view what may be called the dilemma of determinism, so far as determinism pretends to think things out at all. A merely mechanical determinism, it is true, rather rejoices in not thinking them out. It is very sure that the universe must satisfy its postulate of a physical continuity and coherence, but it smiles at any one who comes forward with a postulate of moral coherence as well. I may suppose, however, that the number of purely mechanical or hard determinists among you this evening is small. The determinism to whose seductions you are most exposed is what I have called soft determinism,—the determinism which allows considerations of good and bad to mingle with those of cause and effect in deciding what sort of a universe this may rationally be held to be. The dilemma of this determinism is one whose left horn is pessimism and whose right horn is subjectivism. In other words, if determinism is to escape pessimism, it must leave off looking at the goods and ills of life in a simple objective way, and regard them as materials, indifferent in themselves, for the production of consciousness, scientific and ethical, in us.

To escape pessimism is, as we all know, no easy task. Your own studies have sufficiently shown you the almost desperate difficulty of making the notion that there is a single principle of things, and that principle absolute perfection, rhyme together with our daily vision of the facts of life. If perfection be the principle, how comes there any imperfection here? If God be good, how came he to create—or, if he did not create, how comes he to permit—the devil? The evil facts must be explained as seeming: the devil must be whitewashed, the universe must be disinfected, if neither God's goodness nor his unity and power are to remain impugned. And of all the various ways of operating the disinfection, and making bad seem less bad, the way of subjectivism appears by far the best.⁵ For, after all, is there not something rather absurd in our ordinary notion of external things being good or bad in themselves? Can murders and treacheries, considered as mere outward happenings, or motions of matter, be bad without any one to feel their badness? And could paradise properly be good in the absence of a sentient

principle by which the goodness was perceived? Outward goods and evils seem practically indistinguishable except in so far as they result in getting moral judgments made about them. But then the moral judgments seem the main thing, and the outward facts mere perishing instruments for their production. This is subjectivism. Every one must at some time have wondered at that strange paradox of our moral nature, that, though the pursuit of outward good is the breath of its nostrils, the attainment of outward good would seem to be its suffocation and death. Why does the painting of any paradise or Utopia, in heaven or on earth, awaken such yawnings for nirvana and escape? The white-robed harp-playing heaven of our sabbath-schools, and the ladylike tea-table elysium represented in Mr. Spencer's Data of Ethics, as the final consummation of progress, are exactly on a par in this respect,—lubberlands, pure and simple, one and all.⁶ We look upon them from this delicious mess of insanities and realities, strivings and deadnesses, hopes and fears, agonies and exultations, which forms our present state, and *tedium vitae* is the only sentiment they awaken in our breasts. To our crepuscular natures, born for the conflict, the Rembrandtesque moral chiaroscuro, the shifting struggle of the sunbeam in the gloom, such pictures of light upon light are vacuous and expressionless, and neither to be enjoyed nor understood. If *this* be the whole fruit of the victory, we say; if the generations of mankind suffered and laid down their lives; if prophets confessed and martyrs sang in the fire, and all the sacred tears were shed for no other end than that a race of creatures of such unexampled insipidity should succeed, and protract *in saecula saeculorum* their contented and inoffensive lives,—why, at such a rate, better lose than win the battle, or at all events better ring down the curtain before the last act of the play, so that a business that began so importantly may be saved from so singularly flat a winding-up.

All this is what I should instantly say, were I called on to plead for gnosticism; and its real friends, of whom you will presently perceive I am not one, would say without difficulty a great deal more. Regarded as a stable finality, every outward good becomes a mere weariness to the flesh. It must be menaced, be occasionally lost, for its goodness to be fully felt as such. Nay, more than occasionally lost. No one knows the worth of innocence till he knows it is gone forever, and that money cannot buy it back. Not the saint, but the sinner that repenteth, is he to whom the full length and breadth, and height and depth, of life's meaning is revealed. Not the absence of vice, but vice there, and virtue holding her by the throat, seems the ideal human state. And there seems no reason to suppose it not a permanent human state. There is a deep truth in what the school of Schopenhauer insists on,—the illusoriness of the notion of moral progress. The more brutal forms of evil that go are replaced by others more subtle and more poisonous. Our moral horizon moves with us as we move, and never do we draw nearer to the far-off line where the black waves and the azure meet. The final purpose of our creation seems most plausibly to be the greatest possible enrichment of our ethical consciousness, through the intensest play of contrasts and the widest diversity of characters. This of course obliges some of us to be vessels of wrath, while it calls others to be vessels of honor. But the subjectivist point of view reduces all these outward distinctions to a common denominator. The wretch languishing in the felon's cell may be drinking draughts of the wine of truth that will never pass the lips of the so-called favorite of fortune. And the peculiar consciousness of each of them is an indispensable note in the great ethical concert which the centuries as they roll are grinding out of the living heart of man.

So much for subjectivism! If the dilemma of determinism be to choose between it and pessimism, I see little room for hesitation from the strictly theoretical point of view. Subjectivism seems the more rational scheme. And the world may, possibly, for aught I know, be nothing else. When the healthy love of life is on one, and all its forms and its appetites seem so unutterably real; when the most brutal and the most spiritual things are lit by the same sun, and each is an integral part of the total richness,—why, then it seems a grudging and sickly way of meeting so robust a universe to shrink

from any of its facts and wish them not to be. Rather take the strictly dramatic point of view, and treat the whole thing as a great unending romance which the spirit of the universe, striving to realize its own content, is eternally thinking out and representing to itself.⁷ No one, I hope, will accuse me, after I have said all this, of underrating the reasons in favor of subjectivism. And now that I proceed to say why those reasons, strong as they are, fail to convince my own mind, I trust the presumption may be that my objections are stronger still.

I frankly confess that they are of a practical order. If we practically take up subjectivism in a sincere and radical manner and follow its consequences, we meet with some that make us pause. Let a subjectivism begin in never so severe and intellectual a way, it is forced by the law of its nature to develop another side of itself and end with the corruptest curiosity. Once dismiss the notion that certain duties are good in themselves, and that we are here to do them, no matter how we feel about them; once consecrate the opposite notion that our performances and our violations of duty are for a common purpose, the attainment of subjective knowledge and feeling, and that the deepening of these is the chief end of our lives,—and at what point on the downward slope are we to stop? In theology, subjectivism develops as its 'left wing' antinomianism. In literature, its left wing is romanticism. And in practical life it is either a nerveless sentimentality or a sensualism without bounds.

Everywhere it fosters the fatalistic mood of mind. It makes those who are already too inert more passive still; it renders wholly reckless those whose energy is already in excess. All through history we find how subjectivism, as soon as it has a free career, exhausts itself in every sort of spiritual, moral, and practical license. Its optimism turns to an ethical indifference, which infallibly brings dissolution in its train. It is perfectly safe to say now that if the Hegelian gnosticism, which has begun to show itself here and in Great Britain, were to become a popular philosophy, as it once was in Germany, it would certainly develop its left wing here as there, and produce a reaction of disgust. Already I have heard a graduate of this very school express in the pulpit his willingness to sin like David, if only he might repent like David. You may tell me he was only sowing his wild, or rather his tame, oats; and perhaps he was. But the point is that in the subjectivistic or gnostical philosophy oat-sowing, wild or tame, becomes a systematic necessity and the chief function of life. After the pure and classic truths, the exciting and rancid ones must be experienced; and if the stupid virtues of the philistine herd do not then come in and save society from the influence of the children of light, a sort of inward putrefaction becomes its inevitable doom.

Look at the last runnings of the romantic school, as we see them in that strange contemporary Parisian literature, with which we of the less clever countries are so often driven to rinse out our minds after they have become clogged with the dulness and heaviness of our native pursuits. The romantic school began with the worship of subjective sensibility and the revolt against legality of which Rousseau was the first great prophet: and through various fluxes and refluxes, right wings and left wings, it stands to-day with two men of genius, M. Renan and M. Zola, as its principal exponents,—one speaking with its masculine, and the other with what might be called its feminine, voice. I prefer not to think now of less noble members of the school, and the Renan I have in mind is of course the Renan of latest dates. As I have used the term gnostic, both he and Zola are gnostics of the most pronounced sort. Both are athirst for the facts of life, and both think the facts of human sensibility to be of all facts the most worthy of attention. Both agree, moreover, that sensibility seems to be there for no higher purpose,—certainly not, as the Philistines say, for the sake of bringing mere outward rights to pass and frustrating outward wrongs. One dwells on the sensibilities for their energy, the other for their sweetness; one speaks with a voice of bronze, the other with that of an Æolian harp; one ruggedly ignores the distinction of good and evil, the other plays the coquette between the craven unmanliness of his *Philosophic Dialogues*

and the butterfly optimism of his *Souvenirs de Jeunesse*. But under the pages of both there sounds incessantly the hoarse bass of *vanitas vanitatum, omnia vanitas*, which the reader may hear, whenever he will, between the lines. No writer of this French romantic school has a word of rescue from the hour of satiety with the things of life,—the hour in which we say, "I take no pleasure in them,"—or from the hour of terror at the world's vast meaningless grinding, if perchance such hours should come. For terror and satiety are facts of sensibility like any others; and at their own hour they reign in their own right. The heart of the romantic utterances, whether poetical, critical, or historical, is this inward remedilessness, what Carlyle calls this far-off whimpering of wail and woe. And from this romantic state of mind there is absolutely no possible *theoretic* escape. Whether, like Renan, we look upon life in a more refined way, as a romance of the spirit; or whether, like the friends of M. Zola, we pique ourselves on our 'scientific' and 'analytic' character, and prefer to be cynical, and call the world a 'roman experimental' on an infinite scale,—in either case the world appears to us potentially as what the same Carlyle once called it, a vast, gloomy, solitary Golgotha and mill of death.

The only escape is by the practical way. And since I have mentioned the nowadays much-reviled name of Carlyle, let me mention it once more, and say it is the way of his teaching. No matter for Carlyle's life, no matter for a great deal of his writing. What was the most important thing he said to us? He said: "Hang your sensibilities! Stop your snivelling complaints, and your equally snivelling raptures! Leave off your general emotional tomfoolery, and get to WORK like men!" But this means a complete rupture with the subjectivist philosophy of things. It says conduct, and not sensibility, is the ultimate fact for our recognition. With the vision of certain works to be done, of certain outward changes to be wrought or resisted, it says our intellectual horizon terminates. No matter how we succeed in doing these outward duties, whether gladly and spontaneously, or heavily and unwillingly, do them we somehow must; for the leaving of them undone is perdition. No matter how we feel; if we are only faithful in the outward act and refuse to do wrong, the world will in so far be safe, and we quit of our debt toward it. Take, then, the yoke upon our shoulders; bend our neck beneath the heavy legality of its weight; regard something else than our feeling as our limit, our master, and our law; be willing to live and die in its service,—and, at a stroke, we have passed from the subjective into the objective philosophy of things, much as one awakens from some feverish dream, full of bad lights and noises, to find one's self bathed in the sacred coolness and quiet of the air of the night.

But what is the essence of this philosophy of objective conduct, so old-fashioned and finite, but so chaste and sane and strong, when compared with its romantic rival? It is the recognition of limits, foreign and opaque to our understanding. It is the willingness, after bringing about some external good, to feel at peace; for our responsibility ends with the performance of that duty, and the burden of the rest we may lay on higher powers.⁸

"Look to thyself, O Universe,
Thou art better and not worse,"

we may say in that philosophy, the moment we have done our stroke of conduct, however small. For in the view of that philosophy the universe belongs to a plurality of semi-independent forces, each one of which may help or hinder, and be helped or hindered by, the operations of the rest.

But this brings us right back, after such a long detour, to the question of indeterminism and to the conclusion of all I came here to say to-night. For the only consistent way of representing a pluralism and a world whose parts may affect one another through their conduct being either good or bad is the indeterministic way. What interest, zest, or excitement can there be in achieving the right way, unless we are enabled to feel that the wrong way is also a possible and a natural way,—nay, more, a menacing and an imminent way? And what sense can there be in condemning ourselves for taking the wrong way, unless we need have done nothing of the sort, unless the right way was open to us as well? I cannot understand the willingness to act, no matter how we feel, without the belief that acts are really good and bad. I cannot understand the belief that an act is bad, without regret at its happening. I cannot understand regret without the admission of real, genuine possibilities in the world. Only *then* is it other than a mockery to feel, after we have failed to do our best, that an irreparable opportunity is gone from the universe, the loss of which it must forever after mourn.

If you insist that this is all superstition, that possibility is in the eye of science and reason impossibility, and that if I act badly 'tis that the universe was foredoomed to suffer this defect, you fall right back into the dilemma, the labyrinth, of pessimism and subjectivism, from out of whose toils we have just wound our way.

Now, we are of course free to fall back, if we please. For my own part, though, whatever difficulties may beset the philosophy of objective right and wrong, and the indeterminism it seems to imply, determinism, with its alternative of pessimism or romanticism, contains difficulties that are greater still. But you will remember that I expressly repudiated awhile ago the pretension to offer any arguments which could be coercive in a so-called scientific fashion in this matter. And I consequently find myself, at the end of this long talk, obliged to state my conclusions in an altogether personal way. This personal method of appeal seems to be among the very conditions of the problem; and the most any one can do is to confess as candidly as he can the grounds for the faith that is in him, and leave his example to work on others as it may.

Let me, then, without circumlocution say just this. The world is enigmatical enough in all conscience, whatever theory we may take up toward it. The indeterminism I defend, the free-will theory of popular sense based on the judgment of regret, represents that world as vulnerable, and liable to be injured by certain of its parts if they act wrong. And it represents their acting wrong as a matter of possibility or accident, neither inevitable nor yet to be infallibly warded off. In all this, it is a theory devoid either of transparency or of stability. It gives us a pluralistic, restless universe, in which no single point of view can ever take in the whole scene; and to a mind possessed of the love of unity at any cost, it will, no doubt, remain forever unacceptable. A friend with such a mind once told me that the thought of my universe made him sick, like the sight of the horrible motion of a mass of maggots in their carrion bed.

But while I freely admit that the pluralism and the restlessness are repugnant and irrational in a certain way, I find that every alternative to them is irrational in a deeper way. The indeterminism with its maggots, if you please to speak so about it, offends only the native absolutism of my intellect,—an absolutism which, after all, perhaps, deserves to be snubbed and kept in check. But the determinism with its necessary carrion, to continue the figure of speech, and with no possible maggots to eat the latter up, violates my sense of moral reality through and through. When, for example, I imagine such carrion as the Brockton murder, I cannot conceive it as an act by which the universe, as a whole, logically and necessarily expresses its nature without shrinking from complicity with such a whole. And I deliberately refuse to keep on terms of loyalty with the universe by saying blankly that the murder, since it does flow from the nature of the whole, is not carrion. There are some instinctive

reactions which I, for one, will not tamper with. The only remaining alternative, the attitude of gnostical romanticism, wrenches my personal instincts in quite as violent a way. It falsifies the simple objectivity of their deliverance. It makes the goose-flesh the murder excites in me a sufficient reason for the perpetration of the crime. It transforms life from a tragic reality into an insincere melodramatic exhibition, as foul or as tawdry as any one's diseased curiosity pleases to carry it out. And with its consecration of the 'roman naturaliste' state of mind, and its enthronement of the baser crew of Parisian *littérateurs* among the eternally indispensable organs by which the infinite spirit of things attains to that subjective illumination which is the task of its life, it leaves me in presence of a sort of subjective carrion considerably more noisome than the objective carrion I called it in to take away.

No! better a thousand times, than such systematic corruption of our moral sanity, the plainest pessimism, so that it be straightforward; but better far than that the world of chance. Make as great an uproar about chance as you please, I know that chance means pluralism and nothing more. If some of the members of the pluralism are bad, the philosophy of pluralism, whatever broad views it may deny me, permits me, at least, to turn to the other members with a clean breast of affection and an unsophisticated moral sense. And if I still wish to think of the world as a totality, it lets me feel that a world with a chance in it of being altogether good, even if the chance never come to pass, is better than a world with no such chance at all. That 'chance' whose very notion I am exhorted and conjured to banish from my view of the future as the suicide of reason concerning it, that 'chance' is—what? Just this,—the chance that in moral respects the future may be other and better than the past has been. This is the only chance we have any motive for supposing to exist. Shame, rather, on its repudiation and its denial! For its presence is the vital air which lets the world live, the salt which keeps it sweet.

And here I might legitimately stop, having expressed all I care to see admitted by others to-night. But I know that if I do stop here, misapprehensions will remain in the minds of some of you, and keep all I have said from having its effect; so I judge it best to add a few more words.

In the first place, in spite of all my explanations, the word 'chance' will still be giving trouble. Though you may yourselves be adverse to the deterministic doctrine, you wish a pleasanter word than 'chance' to name the opposite doctrine by; and you very likely consider my preference for such a word a perverse sort of a partiality on my part. It certainly *is* a bad word to make converts with; and you wish I had not thrust it so butt-foremost at you,—you wish to use a milder term.

Well, I admit there may be just a dash of perversity in its choice. The spectacle of the mere word-grabbing game played by the soft determinists has perhaps driven me too violently the other way; and, rather than be found wrangling with them for the good words, I am willing to take the first bad one which comes along, provided it be unequivocal. The question is of things, not of eulogistic names for them; and the best word is the one that enables men to know the quickest whether they disagree or not about the things. But the word 'chance,' with its singular negativity, is just the word for this purpose. Whoever uses it instead of 'freedom,' squarely and resolutely gives up all pretence to control the things he says are free. For *him*, he confesses that they are no better than mere chance would be. It is a word of *impotence*, and is therefore the only sincere word we can use, if, in granting freedom to certain things, we grant it honestly, and really risk the game. "Who chooses me must give and forfeit all he hath." Any other word permits of quibbling, and lets us, after the fashion of the soft determinists, make a pretence of restoring the caged bird to liberty with one hand, while with the other we anxiously tie a string to its leg to make sure it does not get beyond our sight.

But now you will bring up your final doubt. Does not the admission of such an unguaranteed chance or freedom preclude utterly the notion of a Providence governing the world? Does it not leave the fate of the universe at the mercy of the chance-possibilities, and so far insecure? Does it not, in short, deny the craving of our nature for an ultimate peace behind all tempests, for a blue zenith above all clouds?

To this my answer must be very brief. The belief in free-will is not in the least incompatible with the belief in Providence, provided you do not restrict the Providence to fulminating nothing but *fatal* decrees. If you allow him to provide possibilities as well as actualities to the universe, and to carry on his own thinking in those two categories just as we do ours, chances may be there, uncontrolled even by him, and the course of the universe be really ambiguous; and yet the end of all things may be just what he intended it to be from all eternity.

An analogy will make the meaning of this clear. Suppose two men before a chessboard,—the one a novice, the other an expert player of the game. The expert intends to beat. But he cannot foresee exactly what any one actual move of his adversary may be. He knows, however, all the *possible* moves of the latter; and he knows in advance how to meet each of them by a move of his own which leads in the direction of victory. And the victory infallibly arrives, after no matter how devious a course, in the one predestined form of check-mate to the novice's king.

Let now the novice stand for us finite free agents, and the expert for the infinite mind in which the universe lies. Suppose the latter to be thinking out his universe before he actually creates it. Suppose him to say, I will lead things to a certain end, but I will not *now*⁹ decide on all the steps thereto. At various points, ambiguous possibilities shall be left open, *either* of which, at a given instant, may become actual. But whichever branch of these bifurcations become real, I know what I shall do at the *next* bifurcation to keep things from drifting away from the final result I intend.¹⁰ The creator's plan of the universe would thus be left blank as to many of its actual details, but all possibilities would be marked down. The realization of some of these would be left absolutely to chance; that is, would only be determined when the moment of realization came. Other possibilities would be *contingently* determined; that is, their decision would have to wait till it was seen how the matters of absolute chance fell out. But the rest of the plan, including its final upshot, would be rigorously determined once for all. So the creator himself would not need to know *all* the details of actuality until they came; and at any time his own view of the world would be a view partly of facts and partly of possibilities, exactly as ours is now. Of one thing, however, he might be certain; and that is that his world was safe, and that no matter how much it might zig-zag he could surely bring it home at last.

Now, it is entirely immaterial, in this scheme, whether the creator leave the absolute chance-possibilities to be decided by himself, each when its proper moment arrives, or whether, on the contrary, he alienate this power from himself, and leave the decision out and out to finite creatures such as we men are. The great point is that the possibilities are really *here*. Whether it be we who solve them, or he working through us, at those soul-trying moments when fate's scales seem to quiver, and good snatches the victory from evil or shrinks nerveless from the fight, is of small account, so long as we admit that the issue is decided nowhere else than here and now. *That* is what gives the palpitating reality to our moral life and makes it tingle, as Mr. Mallock says, with so strange and elaborate an excitement. This reality, this excitement, are what the determinisms, hard and soft alike, suppress by their denial that *anything* is decided here and now, and their dogma that all things were foredoomed and settled long ago. If it be so, may you and I then have been foredoomed to the error of continuing to believe in liberty.¹¹ It is fortunate for the winding up of controversy that in every discussion with determinism this *argumentum ad hominem* can be its adversary's last word.

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1. And I may now say Charles S. Peirce,—see the *Monist*, for 1892-93.
 2. "The whole history of popular beliefs about Nature refutes the notion that the thought of a universal physical order can possibly have arisen from the purely passive reception and association of particular perceptions. Indubitable as it is that men infer from known cases to unknown, it is equally certain that this procedure, if restricted to the phenomenal materials that spontaneously offer themselves, would never have led to the belief in a general uniformity, but only to the belief that law and lawlessness rule the world in motley alternation. From the point of view of strict experience, nothing exists but the sum of particular perceptions, with their coincidences on the one hand, their contradictions on the other.

"That there is more order in the world than appears at first sight is not discovered; *till the order is looked for*. The first impulse to look for it proceeds from practical needs: where ends must be attained, or produce a result. But the practical need is only the first occasion for our reflection on the conditions of true knowledge; and even were there no such need, motives would still be present for carrying us beyond the stage of mere association. For not with an equal interest, or rather with an equal lack of interest, does man contemplate those natural processes in which a thing is linked with its former mate, and those in which it is linked to something else. *The former processes harmonize with the conditions of his own thinking*: the latter do not. In the former, his *concepts, general judgments, and inferences* apply to reality: in the latter, they have no such application. And thus the intellectual satisfaction which at first comes to him without reflection, at last excites in him the conscious wish to find realized throughout the entire phenomenal world those rational continuities, uniformities, and necessities which are the fundamental element and guiding principle of his own thought." (Sigwart, *Logik*, bd. 3, s. 382.)

3. Speaking technically, it is a word with a positive denotation, but a connotation that is negative. Other things must be silent about *what* it is: it alone can decide that point at the moment in which it reveals itself.
4. A favorite argument against free-will is that if it be true, a man's murderer may as probably be his best friend as his worst enemy, a mother be as likely to strangle as to suckle her first-born, and all of us be as ready to jump from fourth-story windows as to go out of front doors, etc. Users of this argument should properly be excluded from debate till they learn what the real question is. 'Free-will' does not say that everything that is physically conceivable is also morally possible. It merely says that of alternatives that really *tempt* our will more than one is really possible. Of course, the alternatives that do thus tempt our will are vastly fewer than the physical possibilities we can coldly fancy. Persons really tempted often do murder their best friends, mothers do strangle their first-born, people do jump out of fourth-story windows, etc.
5. To a reader who says he is satisfied with a pessimism, and has no objection to thinking the whole bad, I have no more to say: he makes fewer demands on the world than I, who, making them, wish to look a little further before I give up all hope of having them satisfied. If, however, all he means is that the badness of some parts does not prevent his acceptance of a universe whose *other* parts give him satisfaction, I welcome him as an ally. He has abandoned the notion of the *Whole*, which is the essence of deterministic monism, and views things as a pluralism, just as I do in this paper.
6. Compare Sir James Stephen's *Essays* by a Barrister, London, 1862, pp. 138, 318.
7. Cet univers est un spectacle que Dieu se donne à lui-même. Servons les intentions du grand chorège en contribuant à rendre le spectacle aussi brillant, aussi varié que possible.—RENAN.
8. The burden, for example, of seeing to it that the *end* of all our righteousness be some positive universal gain.
9. This of course leaves the creative mind subject to the law of time. And to any one who insists on the timelessness of that mind I have no reply to make. A mind to whom all time is simultaneously present must see all things under the form of actuality, or under some form to us unknown. If he thinks certain moments as ambiguous in their content while future, he must simultaneously know how the ambiguity will have been decided when they are past. So that none of his mental judgments can possibly be called hypothetical, and his world is one from which chance is excluded. Is not, however, the timeless mind rather a gratuitous fiction? And is not the notion of eternity being given at a stroke to omniscience only just another way of whacking upon us the block-universe, and of denying that possibilities exist?—just the point to be proved. To say that time is an illusory appearance is only a roundabout manner of saying there is no real plurality, and that the frame of things is an absolute unit. Admit plurality, and time may be its form.
10. And this of course means 'miraculous' interposition, but not necessarily of the gross sort our fathers took such delight in representing, and which has so lost its magic for us. Emerson quotes some Eastern sage as saying that if evil were really done under the sun, the sky would incontinently shrivel to

a snakeskin and cast it out in spasms. But, says Emerson, the spasms of Nature are years and centuries; and it will tax man's patience to wait so long. We may think of the reserved possibilities God keeps in his own hand, under as invisible and molecular and slowly self-summing a form as we please. We may think of them as counteracting human agencies which he inspires *ad hoc*. In short, signs and wonders and convulsions of the earth and sky are not the only neutralizers of obstruction to a god's plans of which it is possible to think.

11. As long as languages contain a future perfect tense, determinists, following the bent of laziness or passion, the lines of least resistance, can reply in that tense, saying, "It will have been fated," to the still small voice which urges an opposite course; and thus excuse themselves from effort in a quite unanswerable way.

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