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Square [brackets] enclose editorial explanations. Small ·dots· enclose material that has been added, but can be read as though it were part of the original text. Occasional ¶bullets, and also indenting of passages that are not quotations, are meant as aids to grasping the structure of a sentence or a thought. Each occurrence of . . . four ellipses indicates the omission of a few words or lines of text that seem to give more trouble than they are worth.

Hobbes wrote *Leviathan* in Latin and in English; it is not always clear which parts were done first in English and which in Latin. The present text is based on the English version, but sometimes the Latin seems better and is followed instead. Edwin Curley's fine edition of the English work (Hackett, 1994) has provided all the information used here regarding the Latin version, the main lines of the translations from it, and other information included here between square brackets. Curley has also been generous in his personal help with difficult passages in the English version.

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LEVIATHAN

by **Thomas Hobbes**

THE FIRST PART.--OF MAN.

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Introduction

[Hobbes uses ‘art’ to cover everything that involves thoughtful planning, contrivance, design, or the like. The word was often used in contrast to ‘nature’, referring to everything that happens not *artificially* but naturally, without anyone’s planning to make it happen. Hobbes opens this Introduction with a rejection of that contrast.]

Nature is the art through which God made the world and still governs it. The art of man imitates in it many ways, one of which is its ability to make an *artificial animal*. Life is just a motion of limbs caused by some principal part inside the body; so why can’t we say that all automata (engines that move themselves by springs and wheels as a watch does) have an artificial life? For what is the heart but a spring? What are the nerves but so many strings? What are the joints but so many wheels enabling the whole body to move in the way its designer intended? Art goes still further, imitating that rational and most excellent work of nature, *man!* For by art is created that great *Leviathan* called a ‘commonwealth’ or ‘state’, which is just an artificial man - though bigger and stronger than the natural man, for whose protection and defence it was intended. Here are some details of the analogy between a commonwealth and a natural man.

- The chief authority in the commonwealth is an artificial Ψ soul, giving life and motion to the whole body as the soul does to the body of a natural man;
- the magistrates and other officers law are artificial Ψ joints;
- reward and punishment are artificial Ψ nerves; they are connected to the seat of the chief authority in such a way that every joint and limb is moved to do his duty, as natural nerves do in the body of a natural man.
- the wealth and riches of all the particular members of the commonwealth are its Ψ strength;
- the people’s safety is the commonwealth’s Ψ business;
- counsellors, by whom everything it needs to know is suggested to it, are its Ψ memory;
- justice is its artificial Ψ reason;
- laws are its artificial Ψ will;
- civil harmony is its Ψ health;
- sedition is its Ψ sickness; and
- civil war is its Ψ death.

Lastly, the pacts and agreements by which the parts of this *body politic* were at first made, put together, and united, resemble that *fiat* - that ‘Let us make man’ - pronounced by God when he was creating the world.

To describe the nature of this artificial man, I will consider: ·In Part I: Ψ what the commonwealth is made of (men) and who made it (men). ·In Part II: Ψ How and through what agreements the commonwealth is made; what are the rights and legitimate power or authority of a sovereign; and what it is that can preserve a commonwealth and what can dissolve it. ·In Part III: Ψ What is a Christian commonwealth. ·In Part IV: Ψ What is the kingdom of darkness. [The present document is Part I; Part II is also available on this website, which does not contain III or IV.]

Concerning the first topic, there is a saying that has recently become fashionable, that Wisdom is acquired not by reading books but by reading men.

On the basis of this, people who show few other signs of wisdom take pleasure in showing what they think they have 'read in men' - by saying nasty things about them behind their backs. But there is another saying - not properly understood in recent times - through which men might learn truly to read one another, if they would take the trouble. The saying is

Nosce teipsum [Latin for 'know yourself'] - read yourself.

This has come to be used to excuse the barbarous conduct of men in power towards their inferiors, or to encourage men of low degree in disrespectful behaviour towards their betters. But that's not what it was meant for. It was meant to teach us that if you are interested in the similarity of the thoughts and passions of one man to those of another, you should look into yourself, and consider what *you* do when you think, believe, reason, hope, fear, etc. and on what grounds you do so. That will enable you to 'read' and know what the thoughts and passions of all other men are on similar occasions. I say the similarity of passions, which are the same in all men - desire, fear, hope, etc. - not the similarity of the *objects* of the passions, which are the things desired, feared, hoped, etc. There is less similarity among these, because what a person wants, fears, etc. depends on his individual character and upbringing. The objects of someone's passions are also harder to know about, because they are easy for him to hide; so much so that the writing in a man's heart (to continue with the 'reading' metaphor), so blotted and mixed up by dissembling, lying, faking and false beliefs, can be 'read' only by someone who can search hearts. We can sometimes learn from men's actions what they are up to; but to do this without comparing those actions with our own while taking into account all the relevant differences, is to decipher without a key, and to be for the most part deceived - by too much trust or too much distrust, depending on whether the 'reader' is himself a good man or a bad one.

Anyway, however skilled someone is at 'reading' others by their actions, that can serve him only with the few people he knows personally. Someone who is to govern a whole nation must read in himself not this or that particular man but *mankind*. This is hard to do, harder than learning any language or science; but when I have set before you in an orderly and clear manner my own 'reading' of myself, you will be left only with the task of considering whether it also applies to you. There is no other way to prove a doctrine of this kind.

Part I. Man

Chapter 1. Sense

Concerning the thoughts of man, I will consider them first taken one at a time, and then in a sequence with one thought depending on another. Each single thought is a representation or appearance of some quality or feature of a body outside us - what we commonly call an *object*. Such objects work on the eyes, ears, and other parts of a man's body, and by working in different ways they produce different appearances.

The source of all those appearances is what we call SENSE; for there is no conception in a man's mind that wasn't first - either as a whole, or in parts - produced through the organs of sense.

For present purposes it isn't necessary to know what the natural cause of sense is, and I have written about that at length elsewhere. Still, to make my presentation complete, I will briefly discuss it here.

The cause of sense is the external body or object which presses the organ proper to each sense - either immediately, as in taste and touch; or through an intermediary, as in seeing, hearing, and smelling. This pressure is passed inwards, along the nerves and other strings and membranes of the body, to the brain and heart; there it causes a resistance, or counter-pressure, or endeavour by the heart to deliver itself [= 'to disburden itself', 'to speak what is on its mind']. Because this endeavour (·or counter-pressure·) is *outward*, it seems to be some matter outside the body; and this seeming, or fancy [= 'mental representation or image'] is what we call 'sense'. For the eye it consists in shaped light or colour; for the ear, in a sound; for the nostril, in an odour; for the tongue and palate, in a taste; and for the rest of the body, in heat, cold, hardness, softness, and such other qualities as we detect through touch. All these 'sensible' qualities are - in the object that causes them - merely different motions of the matter by which the object presses on our organs. In us too - the ones who are pressed - the qualities are merely various motions; for they are caused by motions, and motion produces nothing but motion. But to us their appearance is *fancy*, the same waking as dreaming. And as pressing, rubbing, or striking the eye makes us *fancy* a light, and pressing the ear produces a *fancied* noise, so also the bodies that we see or hear produce the same results through their strong though unobserved action. Those colours and sounds are *in us*; for if they were in the bodies or objects that cause them, they couldn't be separated from them. We know they *can* be separated from them, because through the use of a mirror the appearance can be in one place and the object in another; and echoes provide something similar for sounds. And though at the right distance and in the right circumstances the actual object seems to be clothed with the fancy that it causes in us, *still* the object is one thing the image or fancy is another. So that sense in all cases is nothing but fancy that is caused by the pressure - that is, by the motion - of external things on our eyes, ears, and other organs having that function.

But the philosophy schools through all the universities of the Christian world, on the basis of certain texts of Aristotle's, teach a different doctrine. For the cause of vision they say that the thing that is seen sends out in all directions a *visible species*, and that seeing the object is receiving this visible species into the eye. (In English, a 'visible species' is a visible show, apparition, or aspect, or being-seen.) [Hobbes includes 'being-seen' on the strength of the fact that several dominant senses of the Latin *species* involve seeing. Other senses don't, but Hobbes's reason for his choice will appear in a moment.] And for the cause of hearing they say that the thing that is heard sends forth an *audible species* (that is, an audible aspect, or audible being-seen) which enters the ear and creates hearing. Indeed, for the cause of understanding they say that the thing that is understood sends out *intelligible species*, that is, an intelligible being-seen, which comes into the understanding and makes us understand! I don't say this in criticism of universities; I shall come later to the topic of their role in a commonwealth. But on the way to that I must take every

opportunity to let you see what things would be amended in them if they played their proper role properly; and one of these is the frequency of meaningless speech.

Chapter 2. Imagination

Nobody doubts this:

When a thing lies still, it will lie still for ever unless something else moves it.

But this:

When a thing is in motion, it will eternally be in motion unless something else stops it

is not so easily assented to, although there is the same reason for it, namely, that nothing can change itself. That is because men measure not only other men but all other things by *themselves*: because they find that after moving *they* are subject to pain and fatigue, they think that *everything else* grows weary of motion, and of its own accord seeks rest. They don't consider the possibility that the desire for rest that they find in themselves consists of some other motion. And so we find the schools saying that heavy bodies fall downwards out of an appetite [= 'desire'] for rest, and so as to conserve themselves in the place that is most proper for them; absurdly ascribing to inanimate things both appetite and knowledge of what is good for self-preservation - when such knowledge is more than man has! [By 'the schools' Hobbes refers to universities that teach philosophy in a manner heavily influenced by Aristotle. The term 'schoolmen' refers to teachers in such universities.]

When a body is once in motion, it moves for ever unless something else stops it; and whatever stops it does so gradually, over a period of time; it can't extinguish the motion in an instant. We see that when wind creates waves in the sea, the waves keep rolling for a long time after the wind stops; and the same thing happens with the motion that is made in the internal parts of a man when he sees, dreams, etc. For after the object is removed or the eyes closed, we still retain an image of the thing we have seen, though more obscure than when we saw it. This is what the Latins call *imagination*, from the image made in seeing, and they improperly apply the term to all the other senses as well. But the Greeks call it *fancy*, which means 'appearance', and is equally proper for all the senses. So IMAGINATION is nothing but decaying sense. It is found in men and many other living creatures, and occurs when they are sleeping as well as when they are awake.

The decay of sense in a person who is awake is not the dying-down of the motion made in sense. Rather, it is an obscuring of that motion, in the way the light of the sun obscures the light of the stars. In daytime just as much as at night, stars exercise their power to make themselves visible; but among the many strokes that our eyes, ears, and other organs receive from external bodies only the predominant one is sensed; so when the light of the sun is predominant we aren't affected by the action of the stars. And when an object is removed from our sight, the impression it made in us continues, but as it is followed by other objects that are more present to us and that work on us, the imagination of the past object is obscured and weakened, as the voice of a man is drowned by the noise of the day. From this it follows that the longer the time is since the sight or other-sensing of any object, the weaker is the imagination. For the continual changes in a man's body eventually destroy the parts that were moved in sensing; and that is why distance of time has the same effect on us as distance in space. Just as at a great spatial distance the

thing we look at appears dim, and fuzzy in its details, so also after great distance of time our imagination of the past is weak, and we lose (for example) particular streets of cities we have seen, and particular details of events we have experienced. We have two ways of talking about this decaying sense: when we want to talk about the thing itself - the fancy itself - we call it 'imagination', as I said before: but when we want to talk about the decay, and signify that the sense is fading, old, and past, we call it 'memory'. So imagination and memory are a single thing that has different names for different purposes.

Much memory, or memory of many things, is called 'experience'. Imagination is always of things that have been formerly perceived by sense, either all at once or by parts at several times. In the former case, imagining the whole object as it was presented to the senses, we have *simple* imagination - as when you imagine a man or horse that you have seen before. The other is *compounded* imagination, as when from the sight of a man at one time and of a horse at another you conceive in your mind a centaur. So when a man compounds the image of his own person with the image of the actions of someone else - as when a man imagines himself a Hercules or an Alexander (which happens often with devoted readers of romances) - it is a compound imagination, and strictly speaking just a fiction of the mind. There are other imaginations that arise in men (while they are awake) as a result of especially strong impressions made on them in sensing: for example, gazing for a long time at the sun creates an image of the sun that stays before our eyes for a long time afterwards; and from a long and fiercely focussed attention on geometrical figures, a waking man may when in the dark have the images of lines and angles before his eyes. This kind of fancy has no particular name, because it is not something we talk about much.

The imaginations that people have while asleep are what we call 'dreams'. A dream, like all other imaginations, has previously been in the senses, either all together as a whole or in bits. The brain and nerves, which are the necessary organs of sense, are so benumbed in sleep that they can't easily be moved by the action of external objects; and therefore in sleep no imagination - and therefore no dream - can occur except as a result of the agitation of the inner parts of the person's body. And even when these inner parts are out of order, their connection with the brain and other organs enables them to keep these in motion, In this way the imaginations formerly made inside the man appear as if he were awake, except for this: the organs of sense are now (in sleep) benumbed, so that no new object can dominate and obscure the imaginations with a more vigorous impression; and so, in this silence of sense, a dream must be *more* clear than are our waking thoughts. That is how it comes about that it is difficult - some think impossible - to distinguish exactly between sense and dreaming. For my part, when I consider that in dreams I don't often or constantly think of the same persons, places, objects, and actions that I do waking; and that I don't remember as long a sequence of coherent thoughts in dreams as at other times; and that when I am awake I often note the absurdity of dreams, but never dream of the absurdities of my waking thoughts; I am well satisfied that when I am awake I know that I am not dreaming, even though when I dream I think I am awake.

And because dreams are caused by the disorder of some of the inner parts of the body, different disorders are bound to cause different dreams. For being cold in one's sleep breeds dreams of fear, and raises the thought and image of some fearful object (because the motion from the brain to the inner parts is matched by an opposite motion from the inner parts to the brain). Another example: just as anger causes heat in some

parts of the body when we are awake, so when we sleep the over-heating of the same parts causes anger, and raises up in the brain the imagination of an enemy. Another example: just as natural kindness when we are awake causes desire, which creates heat in certain other parts of the body, so also too much heat in those parts while we are asleep raises in the brain an imagination of some kindness shown. In short: our dreams are the reverse of our waking imaginations. The motion when we are awake starts at one end. and when we dream it starts at the other.

It is hardest for a man to distinguish a dream from his waking thoughts when for some reason he doesn't realize that he has been asleep. This can easily happen to someone who is full of fearful thoughts and has a conscience that is much troubled, and to someone who sleeps without the performance of undressing and going to bed - e.g. someone who nods off in his armchair. Someone who takes trouble readying himself for sleep isn't likely to think that any weirdly unfamiliar fancy that comes to him is anything but a dream. We read of Marcus Brutus (who owed his life to Julius Caesar, and was his favourite, yet murdered him) how at Philippi, the night before he gave battle to Augustus Caesar, he saw a fearful apparition. Historians usually call it a vision; but considering the circumstances, one may easily judge it to have been merely a short dream. For sitting in his tent, brooding and troubled with the horror of his rash act, it was not hard for Brutus, slumbering in the cold, to dream of what frightened him most; and as this fear gradually woke him up, it must also have made the apparition gradually vanish; and not knowing for sure that he had been asleep, he could have no reason to think it a dream, or anything but a vision. And this is not a rare occurrence; for even people who are wide awake, if they are nervous and superstitious and full of scary stories and alone in the dark, are apt to have such fancies and to believe they see spirits and dead men's ghosts walking in churchyards - when really it is either their fancy or else trickery by others making use of such superstitious fear to pass disguised in the night to places they don't want to be known to frequent.

This ignorance of how to distinguish dreams and other strong fancies from seeing and sensing is the chief source of the religion of the pagans of past centuries, who worshipped satyrs, fawns, nymphs, and the like; and the source of the belief that uneducated people have now in fairies, ghosts, and goblins, and in the power of witches. I include witches in that list because I don't think that their witchcraft is any real power. Still, I think they are justly punished for their false belief that they can do such mischief, together with their intention of doing harm if they can; so that their trade is nearer to a being a new religion than to being a craft or science. As for fairies and walking ghosts, I think the belief in *them* has deliberately been taught (or not challenged) so as to keep people believing in the use of exorcism, of crosses, of holy water, and other such inventions of ghostly men [here = 'religious men', a joke usage].

No doubt God *can* make unnatural apparitions; but it is no article of the Christian faith that he does this so often that men should fear such things more than they fear a stoppage of, or change in, the course of nature - either of which God can also bring about. But claims about the frequency of divinely sent apparitions continue to be made, because evil men, under pretext that God can do anything, are impudently willing to say *anything* when it suits their purposes, even if they think it untrue. A wise man will believe them no further than right reason makes what they say seem credible. Men would be much more fitted than they are for civil obedience if this superstitious fear of spirits or apparitions.

were got rid of, and with it future-reading based on dreams, false prophecies, and many other effects of such superstition by which crafty ambitious men abuse simple people,

This cleansing operation ought to be the work of the schools, but instead of doing it they *encourage* such doctrines. Because the schoolmen don't know what imagination or the senses are, they have no defences against error in these matters, and so they teach what they have been taught. Some say that imaginations arise spontaneously and have no cause; others, that they usually arise from the will, and that good thoughts are blown (inspired) into a man by God, and evil thoughts blown in by the Devil, or that good thoughts are poured (infused) into a man by God, and evil ones poured in by the Devil. [Hobbes is mockingly exploiting the fact that 'inspire' and 'infuse' come from Latin meaning 'breathe in' and 'pour in' respectively.] Some say that the senses receive the 'species' of things and pass them on to the 'common sense', thence to the imagination, to the memory, to the judgment - like passing *things* from hand to hand, with many words making nothing understood. [For 'species' see end of chapter 1; 'common sense' is a supposed organ or faculty which, according to Aristotle, integrates the materials provided by the five specialized senses.]

The imagination that is raised in man (or any other creature capable of imagining) by words or other voluntary signs is what we generally call understanding. It is common to man and beast; for a dog will through custom come to understand the call, or the scolding, of his master, and so will many other beasts. That, however, involves only understanding what his master *wants*. The understanding that is special to man and not shared with the beasts is the understanding not only of what others *want* but also of what they *think* and *believe*; and this understanding is based on the how sequences of names of things into are woven together into affirmations, negations, and other forms of speech. I shall discuss this kind of understanding later.

Chapter 3. The consequence or train of imaginations

By 'consequence of thoughts' or 'TRAIN of thoughts' I mean the occurrence of thoughts, one at a time, in a sequence; we call this 'mental discourse', to distinguish it from discourse in words.

When a man thinks about something, what his *next* thought will be is not quite accidental a matter as it seems to be. It isn't the case that any thought is as likely as any other to follow a given thought. On the contrary: just as we never have an imagination that hasn't previously been presented to us - as a whole or in parts - by our senses, so we never have a transition from one imagination to another that is unlike any transition we have had in our senses. Here is why. All fancies are motions inside us, left-overs from the motions made in sensing; and when one motion is immediately followed by another in sensing, that sequence of motions also continues after the sensing is over, because when the former motion again occurs and predominates, the latter motion follows, by coherence of the matter moved [Hobbes's exact phrase]. A familiar example of the same phenomenon: When water is pooled on a flat surface, and you draw some of it in one direction with your finger, the rest of the water follows. However, a thing perceived by the senses will be followed sometimes by one thing and sometimes by another, so that in due course there come to be rival candidates for the role of follower of a given imagination.

Thus, when someone imagines something, there is no certainty about what he will imagine next; but it *is* certain that it will be something that followed the other at one or another earlier time.

This train of thoughts, or mental discourse, is of two sorts. The first is unguided, unplanned, and inconstant. In this the sequence of thoughts is not governed by any passionate thought which could direct the whole sequence towards some chosen end; and the thoughts are said to ‘wander’, and seem irrelevant to one another, as in a dream. Men often have thoughts like this when they are alone and not absorbed in any cares; their thoughts are still as busy as at other times, but there is no harmony to them - like the sound of an untuned lute or of a tuned one played by an incompetent. Yet in this untamed roaming of the mind we can still often see what is going on, and grasp how one thought depends on another. For in a discussion about England’s present civil war, what could seem more irrelevant than to ask, as someone did, *What was the value of a Roman penny?* But I saw its relevance plainly enough: the thought of the war introduced the thought of the delivering up of the king to his enemies, which brought in the thought of the delivering up of Christ, which led to the thought of the 30 pennies [‘thirty pieces of silver’] which was the price of that betrayal; and from that the malicious question about the value of a Roman penny easily followed. All this happened in a moment of time, for thought is quick.

The second sort of train of thoughts is more constant, being regulated by some desire, and some design. The impression made by things that we desire or fear is strong and permanent, or if it stops for a time it comes back quickly. It is sometimes so strong that it keeps us awake at night, or interrupts our sleep. From desire arises the thought of some means that we have seen produce something like what we aim at; and from that comes the thought of means to those means, and so on, continually, until we come to some beginning that is within our own power. What we are aiming at - our *end* - makes a strong impression and so comes often to mind, so that if our thoughts begin to wander they are quickly brought back into line by this strong and frequently-present impression of the end. It was his knowledge of this that led one of the seven wise men to give his followers the injunction (now a cliché) *Respice finem* [Latin, = ‘look to the end’]; that is to say, in all your actions keep an eye on what you are aiming at, letting your view of that direct all your thoughts about how to achieve it.

The train of regulated thoughts is itself of two kinds. In one we imagine an effect and look for the causes or means that would produce it; and this is common to man and beast. It is the kind of thinking I focussed on in the preceding paragraph. The other occurs when we imagine something - *anything* - and look for all the possible effects that could be produced by it; that is, we imagine what we can *do with it* when we have it. I have never seen any sign of this except in man; for this kind of curiosity, asking ‘What can I *do with it?*’, has little grip on a living creature that has no passions except sensual ones such as hunger, thirst, lust, and anger. In sum, the discourse of the mind when it is controlled by some aim or plan is nothing but *seeking*, or the faculty of invention [here = ‘discovery’], which the Latins called *sagacitas* and *solertia* [= ‘keenness of scent’ and ‘skill’ or ingenuity’]. It is a hunting out of the causes of some present or past effect, or of the effects of some present or past cause. Sometimes a man seeks something he has lost; and from the place and time where he missed it his mind runs back, from place to place

and time to time, to find where and when he had it; that is to say, to find some definite limited time and place in which to start searching. Again, from there his thoughts run over the same places and times, to find what action or other occasion might have made him lose it. We call this 'remembrance' or 'calling to mind'. The Latins call it *reminiscentia*, as it were *scanning again* our former actions.

Sometimes a man knows a definite place within which he has to search; and then his thoughts run over all the parts of it, in the way one would sweep a room to find a jewel, or as a spaniel runs all over a field till he picks up a scent, or as a man might run through the alphabet to make a rhyme.

Sometimes a man wants to know the outcome of an action; and then he thinks back to some earlier action of the same kind, and the sequence of *its* outcomes, supposing similar outcomes will follow similar actions. For example, someone may foresee what will become of a criminal by running over what he has seen follow from similar crime before, having these thoughts in this order: the crime, the arresting officer, the prison, the judge, and the gallows. Thoughts of this kind are called *foresight* and *prudence* or *providence*, and sometimes *wisdom*; though this kind of guesswork is very fallacious, because of the difficulty of taking into account all the relevant circumstances. Still, this much is certain: if one man has more experience of things past than another does, the former will be correspondingly more prudent than the latter, and less often wrong in his expectations. Only the present has an existence in nature; things past exist in the memory only; and future things do not exist at all, because the future is just a fiction [= 'creation'] of the mind, arrived at by noting the consequences that have ensued from *past* actions and assuming that similar *present* actions will have similar consequences (an assumption that pushes us forward into the supposed *future*). This kind of extrapolation is done the most securely by the person who has the most experience, but even then not with complete security. And though it is called 'prudence' when the outcome is as we expected, it is in its own nature a mere presumption. For the ability to *see in advance* things that are to come, which is *providence* [from Latin *providentia*, the power to see into the future], belongs only to God, whose will will *make* them come. He alone can prophesy, and he does it supernaturally. The person who does the best job of prophesying *naturally* is the best guesser; and the best guesser is the one who knows most about the matters he guesses at and has studied them most thoroughly, for he has most signs to guess by.

A *sign* is the evident antecedent of the consequent, and in the other direction the consequent of the antecedent. For example, dark clouds may be a sign that rain is to come; a burning tree may be a sign that lightning has struck. This requires that similar consequences have been observed before; and the oftener they have been observed, the less uncertain is the sign. And therefore he who has most experience in any kind of business has most signs by which to guess what the future holds, and consequently is the most prudent: and his advantage in prudence over someone to whom that kind of business is new is not counterbalanced by any advantage that the latter may have in natural cleverness and quick-wittedness - though perhaps many young men would disagree with this!

Nevertheless, prudence is not what distinguishes man from beast. Some beasts when one year old observe more, and more prudently pursue what is for their good, than a child can do at age ten.

As prudence is a presumption about the future condensed from experience of the past, so also there is a presumption about past things on the basis of other past things. Someone who has seen how and to what extent a flourishing state has come first into civil war and then to ruin, when he sees the similarly ruined condition of any other state will guess that the latter has had a similar war brought about in a similar way. But this kind of conjecture is nearly as uncertain as conjectures about the future, both being based only on experience.

This is the only kind of mental act I can think of that is *naturally* planted in man, so that all he needs in order to be able to perform it is to be born a human and to live with the use of his five senses. The other faculties that I shall discuss later - ones that seem to be possessed only by men and not by the beasts - are acquired and improved by study and hard work. Most men get them through instruction and discipline; and they all come from the invention of words and speech. For the mind of man has no motions except those of sense, thoughts, and sequences of thoughts, but through the help of speech, and method, those same faculties can be improved to an extent that marks men off from all other living creatures.

Whatever we imagine is *finite*. Therefore there is no idea or conception of anything we call *infinite*. No man can have in his mind an image of infinite size, or conceive infinite speed, infinite time, infinite force, or infinite power. When we say something is 'infinite' we signify only that we can't conceive its ends or boundaries, having no conception of infinity except that of our own inability. And therefore the name of God is used not to make us conceive him (for he is incomprehensible, and his greatness, and power can't be conceived) but to get us to honour him. Also, recall what I said before, namely that anything we conceive we have first perceived by sense, either all at once or in parts; a man can't have a thought representing something that couldn't be sensorily perceived. So anything a man can conceive must be conceived as being in some place, and having a definite size, and divisible into parts; and he can't conceive that something can be all in *this* place and all in *that*, or that two or more things can be in one and the same place at once. None of these things has - none of them *could* - ever be presented through the senses. They are merely absurd ways of talking, credulously taken over - in all their meaninglessness - from deceived scientists and deceived (or deceiving!) schoolmen.

Chapter 4. Speech

The invention of printing, though ingenious, is a minor affair compared with the invention of writing. (We don't know who first discovered the use of writing. It was first brought into Greece, they say, by Cadmus, the son of King Agenor of Phoenicia.) Writing was a *profitable* invention - good for continuing the memory of the past, and also for inter-connecting people who are dispersed into so many and such distant regions of the earth. But it was also an invention that was *difficult* to make: it required careful observation of the different movements of the tongue, palate, lips, and other organs of speech, so as to make correspondingly different letters to remember them by. But the most noble and profitable invention of all was that of SPEECH, consisting of names or appellations, and ways of connecting them. Men use speech to register their present thoughts, to recall their past thoughts, and to declare their thoughts to one another for mutual utility and conversation. Without speech men would have had neither commonwealth, nor society,

nor contract, nor peace - any more than lions, bears, and wolves do. The first author of speech was Adam, who named the created things that God presented to his sight; we don't know *how* he went about doing this, for the Scripture says no more about it. But this was sufficient to lead him to add more names, as his experience and use of created things gave him a need for them; and gradually to come to join them together in ways that would let him make himself understood. And so in the course of time he could achieve as much language as he found a use for, though not as rich a language as an orator or philosopher needs. For I don't find anything in the Scripture which explicitly says, or which implies, that Adam gave names to every variety of figures, numbers, measures, colours, sounds, fancies, relations; much less that he imposed the names of words and parts or kinds of speech, such as 'general', 'special', 'affirmative', 'negative', 'interrogative', 'optative', 'infinitive', all which are useful; and least of all the likes of 'entity', 'intentionality', 'quiddity', and other insignificant words of the school.

But all this language that was achieved and enlarged by Adam and his descendants was lost again at the tower of Babel, when by the hand of God every man was punished for his rebellion by being made to forget his former language. And as they were forced by this to disperse into different parts of the world, it must be that the variety of tongues that we now have was gradually brought about by them - that is, by men scattered throughout the world - in such ways as met their needs (need being the mother of all inventions); and the course of time language everywhere became more copious.

What speech is for - to put it in the most general terms - is to transfer our mental discourse into verbal discourse, or the train of our thoughts into a train of words. This is useful to us in two ways, one private, the other public. One is the registering of our thought-sequences; these are apt to slip out of our memory, putting us to the trouble of recovering them, and we can be helped in that by recalling the words they were marked by. So that the first use of names is to serve for *marks* or *notes* of remembrance. The other occurs when many people use the same words to signify to one another (by the connection and order of the words) what they conceive or think about each matter; and also what they desire, fear, or have any other passion for. Words used in this way are called *signs*.

Special uses of speech are these. (1) To register what we have found through our thoughts to be the cause of anything, present or past; and what we think the effects will be of things present or past. All this amounts to the acquiring of arts [= 'knowledge relating to practical skills']. (2) To show to others the knowledge we have attained; which is to advise and teach one another. (3) To make known to others our wants and purposes, so that we can help one another. (4) To please and delight ourselves and others by innocently playing with our words, for pleasure or ornament.

Corresponding to these uses, there are four abuses of speech. (1) When men register their thoughts wrongly through inconstancy in the meanings of their words, leading them to register for their conceptions something that they never conceived, thus deceiving themselves. (2) When they use words metaphorically, that is, in senses other than the ones they are ordained to have, thereby deceiving others. (3) When by words they declare something to be what they want which is not what they want. (4) When they use words to injure one another; for seeing that nature has enabled living creatures to injure their enemies - some with teeth, some with horns, and some with hands - it is just an abuse of

speech to injure someone with the tongue, unless it is someone whom we are obliged to govern, and even then our role is not to injure but to correct and improve. [In Hobbes's time 'injure' could mean 'insult'.]

How does speech help us to remember sequences of causes and effects? By imposing names on things, and making connections among the names.

Some names are *proper* and apply to only one thing - for example, 'Peter', 'John', 'this man', 'this tree'. Others are common to many things, for example 'man', 'horse', 'tree'. Each of these is just a single name, but it is the name of many particular things; and considered as a name of all of them together it is called *a universal*; for the only universal things in the world are merely names. The things named are every one of them individual and singular.

One universal name is imposed on many things on the basis of their likeness in some quality or feature; and whereas a proper name brings to mind only one thing, universals recall any one of those many.

Among universal names, some are of greater extent and some of less, with the former including the latter in their extent; and some pairs of universal names are of equal extent, each including the other. For example, the name 'body' has a larger range of application than the word 'man', and includes it; and the names 'man' and 'rational' are of equal extent, each including the other. I should point out that a 'name' is not necessarily a single word (as it is in grammar). Sometimes it consists of many words together. For the words 'he who in his actions observes the laws of his country' constitute a single name, equivalent to the one-word name 'just'.

By this imposition of names, some of wider scope and some of narrower, we turn calculations concerning sequences of things imagined in the mind into calculations concerning sequences of names. Here is an example. Suppose that a man who has no use of speech at all (like someone who is born totally deaf and dumb, and remains so) looks at a triangle and, beside it, two right angles such as the corners of a square. He may thoughtfully compare them and find that the three angles of that triangle are equal to the two right angles at its side. But if *another* triangle is shown to him, different in shape from the former one, he can't know without working it out all over again whether the three angles of this second triangle are also equal to the two right angles. Compare that with someone who has the use of words. When *he* observes that the equality depends not on the length of the triangle's sides or on any other details about it, but only on the fact that its sides are straight and its angles three, and that *this was the basis for his naming it a 'triangle'*, he will boldly draw the universal conclusion that such equality of angles occurs in all triangles whatsoever; and will register his discovery in these general terms: *Every triangle has its three angles equal to two right angles*. And thus the thought-sequence found in one particular case comes to be registered and remembered as a universal rule; that clears *time* and *place* out of our mental calculation, let us off from all labour of the mind except the first labour of proving the universal rule, and makes what we find to be true *here and now* to be true at all times and places.

But the use of words in registering our thoughts is nowhere else as evident as it is in numbering. A natural fool [= 'a congenitally intellectually deprived person'] who could never learn by heart the order of the numerals 'one', 'two', and 'three', may hear every stroke of the clock and nod to it, or say 'one', 'one', 'one'; but he can never know what

hour it strikes. And it seems that there was a time when those names of numbers were not in use, and men had to use the fingers of one or both their hands to keep tallies of things; and that that's why numeral words today go no higher than ten in any nation, and in some only up to five, and then they begin again. And someone who can count to ten will, if he recites the numerals out of order, lose himself and not know when he has recited them all. Much less will he be able to add, and subtract, and perform all the other operations of arithmetic. So that without words it is impossible to calculate with numbers, still less with sizes, speeds, degrees of force, and other things that have to be calculated if mankind is to survive and flourish.

When two names are joined together into a sequence or affirmation such as 'A man is a living creature' or 'If he is a man, he is a living creature', if the second name 'living creature' applies to everything that the first name 'man' applies to, then the affirmation or name-sequence is true; otherwise it is false. For 'true' and 'false' are attributes of *speech*, not of *things*. Where there is no speech, there is neither truth nor falsehood. There may be *error*, as when we expect something that doesn't happen, or suspect something that has not happened; but in neither case can a man be accused of untruth.

Seeing then that truth consists in the right ordering of names in our affirmations, a man who seeks precise truth needs to remember what every name he uses stands for, and to place it accordingly; otherwise he will find himself entangled in words like a bird in lime twigs: the more he struggles the more thoroughly he is belimed [= 'caught in the sticky stuff']. And therefore in geometry, which is virtually the only precise science, men begin by settling the meanings of their words in what they call 'definitions', which they place at the start of their calculations.

This brings out how necessary it is for anyone who aspires to true knowledge to examine the definitions of previous authors, and either to make them his own or, when they are negligently set down, to correct them. For errors in definitions multiply themselves as the calculation proceeds, leading men into absurdities which eventually they see, but can't avoid without starting again from the beginning, which contains the source of their errors. That is how it happens that those who trust *books* behave like those who add up many little sums into a bigger one without considering whether the little ones they started with were rightly calculated; and when at last they see that something has gone wrong they don't know how to clear themselves of error. Instead of mistrusting the principles of their masters as laid down in the books from which they started, they spend time fluttering over their books like birds trapped in a room, who flutter at the false light of a glass window because they haven't the intelligence to consider that they came in through the chimney.

So the first use of speech is in the right definition of names, which is the acquisition of science; and the first abuse of language is in wrong definitions or the lack of definitions. The latter is the source of all false and senseless tenets, which make men who try to learn from the authority of books rather than from their own meditation to be as much below the condition of merely ignorant men as men endowed with true science are above it. For between true science and erroneous doctrines, mere ignorance is in the middle - worse than true science but better than false doctrines. Natural sense and imagination are not subject to absurdity. Nature itself can't err; error is possible only where there is language. When someone comes to have a richly expressive language he becomes wiser

than average - or madder! A man needs the use of writing if he is to become excellently wise - or excellently foolish (unless his memory is damaged by disease or physical defect). For words are wise men's counters, they merely use them in calculations; but they are the money of fools, who value them on the authority of an Aristotle, a Cicero, a Thomas Aquinas, or any other teacher whatever.

Names can be used for anything that can enter into or be considered in an account - any things that can be added one to another to make a sum, or subtracted one from another and leave a remainder. The Latins called accounts of money *rationes*, and they called accounting *ratiocinatio*; and what we in bills or account-books call 'items' they called *nomina*, that is, *names*; and from that usage they seem to have gone on to extend the word *ratio* [= 'reason'] to the ability to calculate generally, in all other things - as well as with numbers. The Greeks have only one word, *logos*, for both speech and reason; not because they thought there is no speech without reason, but because they thought there is no reasoning without speech; and they called the act of reasoning *sylogism*, which means *summing up* the consequences of one statement to those of another. And because a single thing can enter into an account on the basis of different features of it, the names of things are variously diverted from their original meanings and diversified, so as to express the differences of features. This variety among names can be brought under four general headings.

(1) A thing may enter into account as matter or body under such labels as 'living', 'sensible', 'rational', 'hot', 'cold', 'moved', 'quiet'; with all these names the word 'matter' or 'body' is understood, because they are all names of matter - that is, stand for properties that only matter can have.

(2) A thing can enter into account, or be considered, for some feature or quality that we conceive to be in it - for example, being moved, being a foot long, being hot, etc. - and then we take the name of the thing itself and change or divert it into a name for that feature or quality that we are considering: for 'living' we put into the account 'life', for 'moved' we put 'motion', for 'hot' we put 'heat', for 'long' we put 'length, and the like: and all such names as these are the names of the features and properties by which one matter (body) is distinguished from another. These are called *abstract* names, not because the features or properties are separated from matter, but because their names are separated from the account of matter.

(3) We bring into account the properties of our own bodies through which we distinguish things. For example, when we see something we don't talk about the thing itself but rather the sight, the colour, the idea of it in the fancy; and when we hear something we talk not about it but about the hearing or sound only, which is our fancy or conception of it through the ear. Such words as 'green' and 'loud' are names of fancies.

(4) We bring into account and consider and give names to *names* themselves, and to *speeches*. For 'general', 'universal', 'special' and 'equivocal' are names of names. And 'affirmation', 'interrogation', 'commandment', 'narration', 'sylogism', 'sermon', 'oration', and many other such, are names of speeches.

And that is all the variety of positive names, which are used to mark something that exists in nature or is invented by the mind of man: (1) bodies that exist or are conceived to exist, or (2) bodies whose properties exist or (3) may be feigned [= 'supposed'] to exist, or (4) words and speech.

There are also other names, called ‘negative’, whose role is to signify that a word is *not* the name of the thing in question - for example, ‘nothing’, ‘no man’, ‘infinite’, ‘unteachable’, and the like. [The next bit is difficult.]

<u>Hobbes’s text</u>	<u>One reading</u>	<u>Alternative reading</u>
which are nevertheless of use in reckoning, or in correcting of reckoning, and call to mind our past cogitations, though they be not names of any thing, because they make us refuse to admit of names not rightly used.	They are of use in calculating, and in correcting calculations; they call to mind our past thoughts; but they are not names of anything, because all they do is to signify that some name, properly used, is <i>not</i> applicable to the item in question.	Calling to mind our past thoughts (though without being names of anything), they are of use in calculating and in correcting calculations because they get us to refuse to apply names that are wrongly used.

All other names are merely insignificant sounds. There are two kinds of them. One occurs when a word is new, and its meaning not explained by definition; the schoolmen have coined new terms in abundance, thereby puzzling philosophers.

The other occurs when men put together into a single name two names whose meanings are contradictory and inconsistent - for example, ‘an incorporeal body’, or (same thing) ‘an incorporeal substance’, and a great many more. For whenever a affirmation is false, the two names of which it is composed, when put together and made into a single name, one, signify nothing at all. For example, if it is false to say that *a quadrangle is round*, the word ‘round quadrangle’ signifies nothing and is a mere sound. Similarly, if it is false to say that virtue can be poured, or blown up and down, the words ‘in-poured virtue’ and ‘in-blown virtue, are as absurd and insignificant as ‘round quadrangle’, although people have, absurdly, written of virtue as being ‘inspired’ and ‘infused’. When you encounter a senseless and insignificant word, it is nearly always composed of Latin or Greek names. . . .

When a man hears some speech and has the thoughts that those words in that order were ordained and constituted to signify, then he is said to *understand* it; understanding being nothing but *conception caused by speech*. So if speech is confined to man (as for all I know it is), then understanding is also confined to him. It also follows that there can be no question of *understanding* an affirmation if it is universally absurd and false; though many think they are understand something when really they are merely repeating the words in a murmur or running over them in their mind.

I shall talk about what kinds of speeches signify the appetites, aversions, and passions of man’s mind, and of their use and abuse, after I have treated the passions.

The names of things that please or displease us have inconstant meanings in common discourse, because likes and dislikes vary from person to person, and even for one person at different times. All names are designed to signify our conceptions, and all our states are merely conceptions; so when you and I conceive one thing differently we can hardly avoid naming it differently. Although the nature of the thing we conceive is the same, our

different receptions of it - because of how we differ in the constitutions of our bodies and the prejudices of our opinions - gives everything we say some flavour of our different passions. In reasonings, therefore, we must *watch the words*; for a word, besides signifying what we imagine to be the nature of the thing to which the word applies, also signify the nature, disposition, and interests of the speaker. The names of virtues and vices are examples of this: one man calls 'wisdom' what another calls 'fear', one calls 'cruelty' what another calls 'justice', one calls 'wastefulness' what another calls 'generosity', and so on. And therefore such names can never be secure bases for reasoning. Nor can metaphors and figures of speech; but these are less dangerous, because they announce their inconstancy, which the others do not.

Chapter 5. Reason and science

When a man reasons, all he does is to conceive a sum total from the *addition* of portions, or conceive a remainder from the *subtraction* of one sum from another. If this is done in words, it is *conceiving* the name of the whole as coming from the names of all the parts, or *conceiving* the name of one part as coming from the names of the whole and of the other part. For some things (such as numbers) we have not only 'adding' and 'subtracting' but also names for other operations, such as 'multiplying' and 'dividing'. Yet these are not wholly new operations; for multiplication is merely adding equal things together, and division is nothing but subtracting one thing as often as we can. These operations are performed not only with numbers but with all sorts of things that can be added together and subtracted one from another. Just as arithmeticians teach how to add and subtract in numbers, so the geometricians teach how to do the same with same lines, figures (two- and three-dimensional), angles, proportions, times, degrees of speed, force, power, and the like; the logicians teach the same with respect to sequences of words, adding together two names to make an affirmation, two affirmations to make a syllogism, and many syllogisms to make a proof; and from the sum - or conclusion - of a syllogism they subtract one proposition to find the other. Writers on politics add together treaties and agreements to find men's duties; and lawyers add together laws and facts to find what is right and wrong in the actions of private men. In brief: *wherever* there is a place for addition and subtraction, there also is a place for reasoning; and *where* these have no place, reason has nothing to do.

Out of all this we can define (that is to say, fix) what is meant by the word 'reason', taken as naming one of the faculties of the mind. For REASON in this sense is nothing but calculating (that is, adding and subtracting) sequences of general names agreed on to mark and signify our thoughts - *mark* them when we calculate by ourselves, and *signify* them when we are demonstrating or recommending our calculations to other men.

People who are not practised in arithmetic are bound to make mistakes and get wrong answers, and even expert arithmeticians can do so. Similarly in any other subject of reasoning the ablest, most careful, and most practised men can deceive themselves and infer false conclusions. This is not to deny that *reason* itself is always right reason, but no *one* man's reason - nor even the reason of any group of men, however large - makes the conclusion certain. Similarly, arithmetic *itself* is a certain and infallible art, but no calculation is guaranteed to be right just because a great many men have unanimously approved it. So when there is *a* controversy about some calculation, the disputants must

on their own initiative agree on some arbitrator or judge whose reason they will accept as right reason, since no standard for right reason has been set up by nature; and the same thing holds in *Y*all debates of every kind. And when men who think themselves wiser than everyone else clamour and demand that *right reason* be the judge, yet actually seek that things should be settled by *their* reason and no-one else's, it is as intolerable in the society of men as it would be in a card game if, after trumps had been settled, someone always played as trumps whatever suit he had most of in his hand at that moment. For that's what people are doing when they insist, in any controversies they are involved in, that their strongest passion at a given moment shall count just then as right reason - revealing their *lack* of right reason by the claim they lay to it!

What reason is for - and the right way to use it - is not to find the added-up truth of one, or just a few, *word-sequences* that are remote from the first definitions and settled meanings of names; but to begin with the latter and proceed from one sequence to another. For one can't be certain of the final conclusion without being certain of all the affirmations and negations from which it was inferred. Suppose that the master of a household, when making up his accounts, adds up the sums of all the bills of expense into one large sum, without looking into *Y*how each bill has been added up by those who presented them to him, or into *Y*what he is paying for *in each*; he does himself no more good than if he just accepted the bottom-line sum *as calculated for him by an accountant*, trusting the skill and honesty of *all* the accountants. *There is no point in checking some parts of the calculation if one doesn't check them all*. In the same way, someone who in reasoning about something - anything - starts by taking on trust the conclusions of authors, and doesn't derive them *for himself* from the *proper* starting-points in every calculation (namely, the meanings of names as settled by definitions), wastes his labour; and *at the end of it all* he doesn't *know* anything but merely *believes*.

Suppose a man is calculating without the use of words. (This is possible in relation to particular things, as when on seeing one thing we conjecture what was likely to have preceded it or is likely to follow it.) If what he thought likely to follow doesn't follow, or what he thought likely to have preceded didn't precede, this is called 'error'; and even the most prudent men are subject to it. But when we are reasoning in words with general meanings, if we employ a general inference that is false, though this will commonly be called 'error', it is really an *absurdity*, or *senseless speech*. For error is merely going wrong in presuming that something is past or to come - something which, even if *Y*in fact it is neither past nor to come, is not *Y*impossible so far as we can discover. But when we make a general assertion, unless it is a true one, the possibility of it is inconceivable. And words by which we conceive nothing but the sound are what we call 'absurd', 'insignificant', and 'nonsense'. Thus, if a man were to talk to me of

a round quadrangle,
 qualities of bread in cheese,
 immaterial substances,
 a free subject, a free will, or any free, any sort of freedom other than freedom from
 being hindered by opposition,

I wouldn't say he was in error, but rather that his words had no meaning, that is to say, absurd.

As I said in chapter 2, man surpasses all other animals in this: when he thinks about anything whatever, he is apt to enquire into the consequences of it and into what he can do with it. And now I add this other degree of the same excellence - that is something else in which man surpasses the other animals, though really it is a development of the 'enquiry' excellence just discussed. It is that man can, by the use of words, get the conclusions he arrives at into general rules, called 'theorems' or 'aphorisms'. That is, he can reason or calculate not only with \dot{Y} numbers but with \dot{Y} things of any sort in which one can be added to or subtracted from another.

But this privilege is lessened through being accompanied by another, namely the 'privilege' of absurdity! Absurdity besets no living creature except man; and among men, the ones who are most subject to it are the philosophers. For what Cicero says of them somewhere is most true - that there can be nothing too absurd to be found in books by philosophers. The reason for this is obvious. It is that they never begin their thinking from the starting-point of definitions or explanations of the names they plan to use; which is a method that has been used in geometry - making its conclusions indisputable - and hasn't been used anywhere else. I shall now list seven causes of absurdity.

The first cause of absurd conclusions is the lack of method - or anyway of the *right* method - in that they don't start from definitions, that is, from settled meanings for their words; as if they could make up accounts without knowing the value of the numeral words 'one', 'two', and 'three'.

As I mentioned in chapter 4, bodies enter on the basis of different features of them and ways of looking at them, and those bring with them differences in names. (For example, a single lump of stuff may bring in the word 'body' if we thinking of it just as a lump of material stuff, 'golden' if we are thinking of what kind of stuff it is composed of, 'cube' if we are thinking of its shape, and so on.) This allows various absurdities to come from confusion these different names and connecting them improperly into assertions. And therefore,

The second cause of absurd assertions is the giving of names of \dot{Y} bodies to \dot{Y} qualities, or of qualities to bodies. That's what people do when they say that faith is 'infused' or 'inspired' into someone, when really only *body* can be poured or breathed into anything; or that extension is body, when really it is a quality of body; that phantasms are spirits, when really they are states of animals, and so on.

The third cause of absurdity is the giving of the names of \dot{Y} qualities of bodies external to us to \dot{Y} qualities of our own bodies; which is what people do when they say that the colour is in the body, the sound is in the air, and so on.

The fourth cause is the giving of names of \dot{Y} names or speeches to \dot{Y} bodies, which is what people do when they say that there are universal things, that a living creature is genus or a general thing, and so on. [Hobbes's account of the fourth cause puts it the other way around: giving names of \dot{Y} bodies to \dot{Y} names or speeches; but his examples show that this was a slip.]

The fifth cause is the giving of names of \dot{Y} names and speeches to \dot{Y} qualities, which is what people do when they say that the nature of a thing is its definition, a man's command is his will, and the like. [Again a reversal: Hobbes writes of giving names of \dot{Y} qualities to \dot{Y} names or speeches; but again the examples show what was meant.]

The sixth cause of absurdity is the use of metaphors, figures of speech, and other rhetorical devices, instead of words used strictly in their proper senses. In common speech it is all right to say, for example, 'the path goes that way' or '. . . leads that way', or to say 'the proverb says such-and-such'; but really paths cannot go, and proverbs cannot speak; so that in calculation and seeking the truth such turns of phrase are not to be admitted.

The seventh cause of absurdity is the use of names that don't mean anything, but are learned by rote from the schools - for example, 'hypostatic', 'transubstantiate', 'consubstantiate', 'eternal-now', and similar cant from the schoolmen.

Someone who can avoid all these things won't easily fall into any absurdity, unless what he is saying or writing is very long and in the later parts he forgets what he said earlier. For all men naturally reason in the same way, and well, when they have good principles. No-one is so stupid as both to make a mistake in geometry and also to persist in it after it has been pointed out to him!

From all this it appears that reason is not born with us, like sense and memory; or acquired through experience alone, as prudence is; but achieved through *work*. First there is the work of giving suitable names to things; then the work of developing a good and orderly method for proceeding from the elements - names - to assertions made by connecting names with one another, and thence to syllogisms, which are the connections of one assertion to another, till we come to knowledge of all the consequences of names relating to the subject in hand; and that is what men call SCIENCE. [In this text, 'sequence' often replaces Hobbes's 'consequence' - a word which could in his time mean merely 'sequence', and often does so in what he writes. This last occurrence of 'consequence' is probably best understood in that way too: knowledge of all the [true] name-sequences, i.e. propositions, relating to the topic in hand. But it has been left as 'consequences' in preparation for what is to follow.] And whereas sense and memory are merely knowledge of *fact*, which is a past thing, and irrevocable because it is past, science is the knowledge of *consequences* and of the *dependence* of one fact on another. It is *this* knowledge that enables us, given that we can do *x* now, to know how to do a similar thing *y* at a later time if we want to; because when we see how something comes about, in what manner and through what causes, when similar causes come into our power we can see how to make them produce similar effects.

So children are not endowed with reason at all until they have acquired the use of speech; they are said to be 'reasonable creatures' because it is obviously possible for them to have the use of reason in time to come. As for the majority of men: they have a limited use of reasoning, for example in elementary numbering; but reason is not much good to them in everyday life, in which their guide is not something that makes them alike, *reason*, but rather things that differentiate them from one another. For they govern themselves - some better, some worse - on the basis of their differences of experience and quickness of memory, the different goals that they severally have, and specially of their good or bad luck and of the errors they make or that others around them make. They are so far from having *science*, or secure rules to guide their actions, that they don't even know what it is. They have thought of geometry as some kind of magic trick, and have made some use of it in that spirit; but as for other sciences, those who haven't been taught the starting-point and some of the first moves, so that they can see how the science is acquired

and generated, are in this respect like children who have no thought of biological generation and are convinced by their mothers and nurses that their brothers and sisters are not born but found in the garden.

Still, those who have no science are in a better and nobler condition with their natural caution than are men who make mistakes in reasoning - or trust others who have made such mistakes - and are led by this to accept false and absurd general rules. For ignorance of causes and of rules doesn't lead men as far astray as does reliance on false rules, and thinking that what they want will be caused by something which in fact will cause the contrary.

To conclude: clear words, freed from ambiguity and clarified by exact definitions, are the light of human minds, reason is the stride, growth of science is the path, and the well-being of mankind is the end of our journey. [Here 'end' probably has both its senses - our goal and our terminus.] And on the other side, metaphors and senseless and ambiguous words are like will-o'-the-wisps, reasoning with them is wandering among countless absurdities, and contention and sedition, or contempt, is their end.

Just as having *much experience* is having *prudence*, so knowing *much science* is having *sapience*. For though we usually use the one name 'wisdom' for both of these, the Latins always distinguished *prudencia* from *sapientia*, ascribing the former to experience and the latter to science. To make the difference between them appear more clearly, let us compare

a man endowed with an excellent natural use and dexterity in handling his arms
with

a man who has all those skills and *also* has an acquired science of combat, a system of general principles concerning where he can hurt his adversary or be hurt by him, in every possible posture or position.

The ability of the former would be to the ability of the latter as prudence is to sapience: both useful, but the latter infallible. In contrast to both of these, those who trust only to the authority of books and blindly follow the blind, are like a man who relies on the false rules of an incompetent fencing master, and rashly attacks an adversary who kills or disgraces him.

Some of the signs of a person's having science - that is, being sapient - are certain and infallible; others are uncertain. We have a certain sign when someone who claims to have the science of something can teach it, i.e. can demonstrate its truth clearly to someone else; and we have an uncertain sign when only *some* particular events make good his claim to knowledge, while on many other occasions things are not as he says they will be. Signs of prudence are all uncertain, because it is impossible to observe by experience and to remember *all* the circumstances that may affect a given outcome. But in any business in which you don't have infallible science to guide you, you should rely on your own natural judgment; to forsake that and instead to let yourself be guided by general opinions that you have read in books - generalizations that are subject to many exceptions - is a sign of folly such as is generally scorned by the name of 'pedantry'. There are men who in parliamentary debates love to show off how well-read they are in politics and history; but very few even of *them* are like this in their domestic affairs, where their personal welfare is at stake. They have plenty of prudence for their private affairs, but in public they are more concerned with the reputation of their own intelligence than with the outcome of anyone else's affairs.

Chapter 6. The interior beginnings of voluntary motions; commonly called the passions; and the speeches by which they are expressed

There are in animals two sorts of motions that are special to them. (1) One kind is called *vital* motion; it starts when the animal is generated, and continues without interruption through its whole life: the circulation of the blood, the pulse, breathing, digestion, nutrition, excretion, and so on; none of which motions need any help from the imagination. (2) The other kind is *animal* motion, otherwise called *voluntary* motion - for example walking, speaking, moving any of our limbs in whatever manner is first fancied [= 'imagined'] in our minds. I have already said in chapters 1 and 2 that

sense is motion in the organs and interior parts of a man's body, caused by the action of things that he sees, hears, etc.,

and that

fancy is merely what remains of that same motion after sense has stopped.

And because walking, speaking and other such voluntary motions always depend on a preceding thought of where to walk to and by what route, and what to say, it is evident that the imagination is the first internal beginning of all voluntary motion (because that preceding thought occurs in the imagination, which I have said is also known as 'the understanding'). Uneducated people don't think of any motion as occurring when the moving thing is invisible or the distance it moves is too short to be perceptible; but such motions *do* occur. Take a distance as short as you like, anything that moves across a distance *including* that one has to move across that little distance itself. These small beginnings of motion inside the body of man, before they appear in walking, speaking, striking and other visible actions, are commonly called ENDEAVOUR.

When this endeavour is a motion toward something that causes it, it is called APPETITE, or DESIRE; the latter being the general name, while the other is often restricted to hunger and thirst, that is, the desire for food and drink. And when the endeavour is away from something, it is generally called AVERSION. The words 'appetite' and 'aversion' come to us from the Latins; and they both signify *motions*, one of approaching, the other of withdrawing. [The Latin 'appeto' has meanings that include 'reach for, stretch out towards', and 'averto' can mean 'turn aside from'.] So also do the Greek words for the same . . . It is interesting that those original word-meanings embody truths that were lost to, or denied by, philosophers. For nature itself often presses onto men truths that they stumble at when, later, they look for something beyond nature. The schools find no *actual* motion in a mere *desire to walk or to move*; but because they have to admit that motion is somehow involved they call it 'metaphorical motion'; which is an absurd thing to say, because although words may be called 'metaphorical', bodies and motions cannot.

What men desire they are also said to LOVE, and they are said to HATE the things for which they have aversion. So that desire and love are the same thing, except that by 'desire' we always signify the absence of the desired object, whereas by 'love' we usually signify that the object is present. So also by 'aversion' we signify the absence of the object, and by 'hate' its presence.

Of appetites and aversions, a few are born with men. Among those few are the appetite for food, and the appetite for urination and excretion - and these would be better

characterized as aversions from certain bodily feelings. All our other appetites are for particular things - or specific kinds of things - and they come from experience, trying the effects of things on ourselves or on other people. The only desire we can have relating to things that we don't know at all, or that we believe don't yet exist, is the desire to taste and try them. But we can have aversion not only for things that we know have hurt us but also for things of which don't know whether they will hurt us.

Things that we neither desire nor hate we are said to contemn, CONTEMPT being nothing but the heart's immobility or stubborn resistance to the action of certain things. It occurs when the heart is already moved in some other way by objects more powerful than the contemned ones, or from lack of experience of the latter. [Here and throughout this chapter, Hobbes uses 'contemn' and 'contempt' in their weakest sense, which doesn't require outright despising something, and may be merely holding it to be of little account.]

And because the constitution of a man's body is continually altering, it is impossible that all the same things should always cause in him the same appetites and aversions; much less can all men agree in desiring the same object (except for a very few objects).

Whatever is the object of any man's appetite or desire is what *he* calls 'good', the object of his hate and aversion he calls 'evil', and the object of his contempt he calls 'low' and 'inconsiderable'. For the words 'good', 'evil' and 'contemptible' are always used in relation to the person using them. Nothing is simply and absolutely - that is, just considered in itself - good or evil; there is no common rule of good and evil to be taken from the nature of the objects themselves. All one has is a rule taken from oneself (where there is no commonwealth) or, where there is a commonwealth, from the person who represents it, or from an arbitrator or judge whom disputing men agree to set up, making his judgment the rule of good and evil.

The Latin language has two words whose meanings are close to those of 'good' and 'evil', though not precisely the same. They are the words *pulchrum* and *turpe*. The former signifies anything that by some apparent present signs promises good; and the latter whatever promises evil. But in English we don't have such general names as these. For *pulchrum* we say of some things 'fair' of others 'beautiful', or 'handsome', or 'gallant', or 'honourable', or 'comely', or 'amiable'; and for *turpe* we say 'foul', 'deformed', 'ugly', 'base', 'nauseous', and the like, as the subject shall require. All these words in their proper places signify nothing but the look or bearing or countenance that promises good or evil. So there are three kinds of good: good in the promise, that is *pulchrum*; good in effect, as the end desired, which is called *jucundum*, delightful; and good as a means, which is called *utile*, profitable. Similarly on the evil side: for evil in promise is what they call *turpe*; evil in effect and as an end is *molestum*, unpleasant, troublesome; and evil in the means is *inutile*, unprofitable, hurtful.

When we *sense*, as I have said before, what really happens inside us is only motion caused by the action of external objects, though it appears to the sight as light and colour, to the ears as sound, to the nostrils as odour, and so on. Similarly, when the effects of that same object are continued from the eyes, ears, and other organs to the heart, the real effect there is nothing but motion or endeavour, which consists in appetite towards or aversion away from the object that caused the motion. But the appearance or sense of that motion is what we call 'delight' or 'trouble of mind'.

This motion that is called ‘appetite’ (or ‘delight’ or ‘pleasure’ considered as an appearance) seems to strengthen vital motion and to be a help to it; which is why it was appropriate for things that caused delight to be called *jucunda*, from helping or strengthening, and the contrary things to be called *molesta*, ‘offensive’, from hindering and troubling the vital motion.

So pleasure or delight is the appearance or sense of good; and molestation or displeasure is the appearance or sense of evil. And consequently all appetite, desire, and love is accompanied with some delight, more or less, and all hatred and aversion with more or less displeasure and offence.

Of pleasures or delights, some arise from the sense of a present object; and those can be called ‘pleasures of sense’. (They are sometimes called ‘sensual’ pleasures, but only by those who condemn them; so ‘sensual’, ‘being value-laden’, has no place until there are laws.) Of this kind are all operations and exonerations of the body - that is, loading food and unloading excrement; as also everything that is pleasant to see, hear, smell, taste, or touch. Other pleasures arise from the expectation that comes from foreseeing some end or consequence of things, whether those things actually please or displease our senses when they happen. These are pleasures of the mind of the person who draws those consequences and forms the corresponding expectations, and are generally called JOY. Similarly, some displeasures are in the senses, and are called PAIN; others in the expectation of consequences, and are called GRIEF.

Each of these simple passions called ‘appetite’, ‘desire’, ‘love’, ‘aversion’, ‘hate’, ‘joy’, and ‘grief’ has different names for different contexts in which it occurs. (1) When they one succeed another, they are variously labelled according to men’s opinion about the likelihood of attaining what they desire. (2) They can be variously labelled in terms of the object loved or hated; or (3) from the consideration of many of them together; or (4) from the alteration or succession itself.

Appetite with an expectation of success is called HOPE.

Appetite without such an expectation is called DESPAIR.

Aversion with the opinion that hurt will come from the object, FEAR.

Aversion, with a hope of avoiding that hurt by resistance, COURAGE.

Sudden courage, ANGER.

Constant hope, CONFIDENCE in ourselves.

Constant despair, DIFFIDENCE about ourselves.

Anger for great hurt done to someone else, when we think it was done wrongly, INDIGNATION.

Desire for someone else’s good, BENEVOLENCE, GOOD WILL, CHARITY. If to man generally, GOOD NATURE.

Desire for riches, COVETOUSNESS: a name always used to express blame, because anyone contending for riches is displeased with anyone else’s getting them; though the desire in itself ought to be blamed or not according to the means by which riches are sought.

Desire for office or rank, AMBITION: a name used also in the blame-expressing sense, for the reason just given for ‘covetous’.

Desire for things that do little to further our ends, and fear of things that are little of a hindrance, PUSILLANIMITY [= ‘pettiness of soul’].

Contempt towards little helps and hindrances, MAGNANIMITY [= 'greatness of soul'].

Magnanimity in face of danger of death or wounds, VALOUR, FORTITUDE.

Magnanimity in the use of riches, LIBERALITY.

Pusillanimity in the use of riches, WRETCHEDNESS, MISERABLENESS, or - if the speaker likes it - PARSIMONY.

Love of persons for society, KINDNESS.

Love of persons only for pleasure of the senses, NATURAL LUST.

Love of the same, acquired from thinking over past pleasures, LUXURY.

Love of one person in particular, with a desire to be exclusively beloved, THE PASSION OF LOVE. The same, with fear that the love is not returned, JEALOUSY.

Desire by hurting someone to make him condemn some past action of his own, REVENGEFULNESS.

Desire to know *why* and *how*, CURIOSITY. This occurs in no living creature but man; so that man is distinguished from other animals not only by his reason but also by this singular drive of curiosity. In the other animals, the appetite for food and the other pleasures of the senses push aside any concern for knowing causes. Curiosity is a lust of the mind which, because of the *lastingness* of delight in the continual and unresting accumulation of knowledge, surpasses the brief intensity of any carnal pleasure such as lust of the body.

Fear of invisible powers, whether privately invented or taken from stories that are publicly allowed, RELIGION; from stories that are not allowed, SUPERSTITION. And when those powers are really such as we have imagined them to be, it is TRUE RELIGION.

Fear, without knowing what one is afraid of, or why, is PANIC TERROR, so-called from the fables that make Pan the author of them. Though really the first person in a group to experience such fear always has some notion of why, and the rest follow his example in running away, everyone supposing that the others know why. That is why this passion happens only to large groups of people.

Joy at something new, ADMIRATION [= 'surprise or wonder']; exclusive to man, because it excites the appetite for knowing the cause.

Joy arising from imagining one's own power and ability is the exultation of the mind called GLORYING. If this is based on experience of one's own former actions, it is the same as *confidence*: but if based on the flattery of others, or supposed by oneself only for delight in the consequences of it, it is called VAINGLORY. This is a good name for it; because a well grounded confidence leads one to attempt things, whereas a mere supposition of power does not, and is therefore rightly called 'vain' [= 'pointless'].

The vainglory that consists in the pretending or supposing we have abilities which we know we don't have occurs mostly in young men. It is nourished by the histories or fictions of heroes, and is often corrected by age and employment.

Grief from a belief that one lacks power is called DEJECTION of mind.

Sudden glory is the passion that causes those grimaces called LAUGHTER. It is caused either by some sudden act of the person's own, that pleases him, or by his awareness of something wrong with someone else, by comparison with whom he suddenly applauds himself. This happens mostly in people who are conscious of the fewest abilities

in themselves: they are forced to keep themselves in their own favour by observing the imperfections of other men. So, much laughter at the defects of others is a sign of small-mindedness. For one of the proper works of a great mind is to help and free others from scorn, and to compare itself only with the most able.

On the other side, sudden dejection is the passion that causes *WEEPING*; and is caused by events that suddenly dash one's dearest hopes or kick away some prop of one's power; and it occurs mostly with those who - like women and children - rely principally on external helps. Some weep for the loss of friends, others for their unkindness; yet others for a reconciliation that puts a sudden stop to their thoughts of revenge. In all cases, both laughter and weeping are *sudden* motions, each taken away by the passage of time. For no man laughs at old jokes or weeps over an old calamity.

Grief for the discovery of some defect in one's own abilities is *SHAME*, or the passion that reveals itself in *BLUSHING*. It consists in the awareness of some thing dishonourable ·in oneself·; in young men it is a sign of the love of good reputation, and is commendable: in old men it is a sign of the same, but is not commendable because it comes too late.

The contempt for good reputation is called *IMPUDENCE*.

Grief for the calamity of someone else is *PITY*. It arises from the thought of a similar calamity befalling oneself, which is why it is called also *COMPASSION* [= 'feeling with'], and in the recently popularized phrase *FELLOW-FEELING*. That is why, for a calamity arising from great wickedness ·on the part of the person who suffers the calamity·, it is the best men who have the least pity; and for any given calamity, the least pity will come from those who think themselves least liable to something similar.

Contempt or little regard for the calamity of others is what men call *CRUELTY*; and it comes from the person's confidence about his own good fortune. I don't think it possible that any man should take pleasure in other men's great harms without some goal of his own ·playing a part in his motivation·.

Grief over the success of a competitor in wealth, honour, or other good, if it is combined with an endeavour to exercise one's own abilities to equal or exceed him, is called *EMULATION*; but when combined with an endeavour to trip up or hinder a competitor, it is *ENVY*.

Sometimes in the mind of a man appetites alternate with aversions, and hopes with fears, all concerning one thing. That happens when various good and evil consequences of doing or not doing the thing in question come successively into his thoughts, so that sometimes he has an appetite for it and sometimes an aversion from it. sometimes a hope to be able to do it and sometimes despair about that or fear to attempt it; and the whole sum of desires, aversions, hopes and fears, continuing until the thing is either done or thought impossible, is what we call *DELIBERATION*.

So there is no deliberation about past things, because it is manifestly impossible for them to be changed; or about things known (or thought) to be impossible, because men know (or think) that such deliberation is pointless. But we can deliberate about something that is impossible if we think it possible, because in that case we don't know that deliberation is pointless. It is still called 'deliberation', because it is a process of putting an end to the freedom we had to do or not do according to our appetite or aversion.

This alternation between appetites and aversions, between hopes and fears, occurs just as much in other living creatures as in man: and therefore beasts also deliberate.

Every deliberation is said to *end* at the point where the thing in question is either done or thought to be impossible, because until then we are free to do or not do it, according to our appetite or aversion.

In deliberation, the *last* appetite or aversion - the one that attaches *immediately* to the doing or to the not-doing - is what we call the WILL. This is the *act* of willing, not the faculty of willing [= 'the *ability* to will']. Beasts that deliberate must necessarily also have the ability to will. The schoolmen would deny this, but for an invalid reason. The schools commonly define the will as a 'rational appetite', but this is not a good definition. If it were sound, there could be no voluntary act against reason; for a voluntary act is simply one that proceeds from the will. But if instead of a 'rational appetite' we say an 'appetite resulting from a preceding deliberation', then the definition is the same as I have just given. *Will* therefore is the *last appetite in deliberating*. And though in ordinary talk we may say 'He once had a will to do that, but he didn't do it', that 'will' is strictly just an *inclination*, which is not enough to make an action voluntary, because the action depends not on it but on the *last inclination* or appetite. . . .

This makes it obvious that voluntary actions include not only \dot{Y} ones that come from greed, ambition, lust, or other appetites for the thing under deliberation, but also \dot{Y} ones that come from aversion or fear of the consequences of not doing the thing.

The forms of speech through which the \dot{Y} passions are expressed are partly the same as, and partly different from, those by which we express our \dot{Y} thoughts. First, generally all passions can be expressed \dot{Y} indicatively, as in 'I love', 'I fear', 'I joy', 'I deliberate', 'I will', 'I command'. Some of them have modes of speech all of their own, which are not affirmations although they can licence inferences to affirmations, inferences that come from the speech in question but not from the passion it expresses. [The following addition is based on help from Edwin Curley.] For example, *wishes* have the *optative* form: 'Would that the Queen had married!' is not an affirmation, expresses a passion (a wish), and supports an inference to the affirmation 'The Queen did not marry', which is a consequence of the optative but not of the wish it expresses. And *desires* have the *imperative* form: 'Return the money you stole!' is not an affirmation, expresses a passion (a desire), and supports an inference to the affirmation 'You stole money', which is a consequence of the imperative but not of the desire it expresses.

\dot{Y} Deliberation is expressed \dot{Y} subjunctively, this being the right form of speech to signify suppositions and their consequences, as in 'If this be done, then that will follow'. This is the same as the language of reasoning, except that reasoning is conducted in general words, whereas deliberation mostly concerns particulars. The language of desire and aversion is \dot{Y} imperative, as in 'Do this' and 'Don't do that'. When the person spoken to is obliged to do or not do, this is a *command*; otherwise it is a *request* or else *advice*. The language of vainglory, of indignation, pity and revengefulness is \dot{Y} optative, as in 'If only they would make me king!'. To express *the desire to know* there is a special form called the \dot{Y} interrogative, as in 'What is it?' and 'When will it?' and 'How is it done?' and 'Why?' Those are the only forms of speech for expressing the passions that I can find. As for cursing, swearing, reviling, and the like: they aren't speech, but merely the actions of a tongue that has acquired bad habits.

These forms of speech, I repeat, are *expressions* or *voluntary significations* of our passions; but they are not *certain signs* that the speaker has signified passions, because

anyone is free to use any one of them without having the associated passion. The best *signs* of a man's passions at a given time are his facial expression, how he moves his body, and what we can work out from what we know independently of his actions and his goals.

In deliberation the appetites and aversions are raised by what we think will be the good or evil consequences and upshots of the action we are deliberating about; and estimating this good or evil depends on foreseeing a long chain of consequences, of which one is seldom able to see to the end. But if *so far as a man can see* the good in those consequences outweighs the evil, the whole chain of consequences is - as writers say - 'apparent good' or 'seeming good'. And when the evil outweighs the good so far as the man can see, the whole chain is 'apparent evil' or 'seeming evil'. So the person whose experience or power of thought gives him the longest and surest view of consequences does the best job of deliberating for himself and, when he is willing to, of advising

Continual success in obtaining the things you want when you want them - that is, continual prospering - is what men call HAPPINESS. [Throughout this text 'happiness' replaces Hobbes's 'felicity'.] I mean the kind of happiness of which we have some chance in this life. For there is no such thing as perpetual tranquillity of mind here on earth, because life itself is nothing but motion, and can never be without desire, or without fear, any more than it can be without sense. What kind of heavenly happiness God has ordained for those who devoutly honour him is something we can't know in advance of enjoying it; for those heavenly joys are to us now as incomprehensible as the schoolmen's phrase 'beatific vision' is unintelligible!

The form of speech through which men signify their belief in something's goodness is PRAISE. The form through which they signify something's power and greatness is MAGNIFYING. . . . And for present purposes that is enough about the PASSIONS.

Chapter 7. The ends or resolutions of discourse

All discourse that is governed by a desire for knowledge eventually comes to an end - either in success or in abandonment of the search. And when something interrupts a chain of discourse, there is an end of it for that time.

If the discourse is merely mental, it consists of thoughts that the thing *will be, won't be* (or *has been, hasn't been*), alternately. So that wherever you break off the chain of a man's discourse, you leave him in a presumption of *it will be* or *it won't be* (or *has been* or *hasn't been*). All this is *opinion*. And the alternation of appetites in deliberating about good and evil is exactly the same in shape as the alternation of opinions in enquiring into the truth about past and future. And just as the last appetite in deliberation is called the 'will', so the last opinion in a search for the truth about past and future is called the JUDGMENT, or firm and final *sentence* of the person in question. And just as the whole chain of alternating appetites in the question of good or bad is called *deliberation*, so the whole chain of alternating opinions in the question of true or false is called DOUBT.

No discourse whatever can end in absolute knowledge of any past or future fact. For the knowledge of fact starts as *sense*, and from then on it is *memory*. As for the knowledge of consequences - which I have said before is called 'science' - it is not absolute but conditional. No man can know through discourse that

this or that is, this or that was, this or that will be,

which is to know \dot{Y} absolutely; but only that

if this is so, so is that; if this was so, so was that; if this will be so, so will that; which is to know \dot{Y} conditionally. Furthermore, it is not about one *thing*'s being consequent on *another thing*, but one *name*'s being consequent on another *name of the same thing*.

So when a discourse is put into speech, and begins with \dot{Y} the definitions of words, proceeds by connecting these into \dot{Y} general affirmations, and of these again into \dot{Y} sylogisms, the end or final sum - the bottom line of the calculation - is called \dot{Y} the conclusion. And the state of mind that it signifies is the conditional knowledge, or knowledge of the consequence of words, which is commonly called SCIENCE. But if such a discourse is not ultimately based on definitions, or if the definitions are not rightly joined together into syllogisms, then the end or conclusion is again OPINION - namely, opinion about the truth of something said, though sometimes in absurd and senseless words with no possibility of being understood.

When two or more men know one and the same fact, they are said to be CONSCIOUS of it one to another; which is to know it together. [The Latin roots of 'conscious' are 'con' = 'with', and 'scire' = 'know'.] And because several men in agreement are the best witnesses concerning actions by one of them or by someone else, it was and always will be thought a very evil act for any man to speak against his *conscience* [same Latin roots], or to corrupt or force anyone else to do so, for the plea of 'conscience' has been always heard with respectful sympathy. This word 'conscience' came to be misused in two ways. First, men used the word metaphorically, to stand for their knowledge of their own secret acts and thoughts; it's in that usage that it is rhetorically said that the conscience is a thousand witnesses. And then men who were passionately in love with their own new opinions (however absurd), and obstinately determined to stick up for them, gave those opinions of theirs the revered name of 'conscience', apparently wanting to suggest that it would be unlawful to change them or speak against them; and so they claimed to *know* they are true, when the most that they know is that they think them true.

When a man's discourse doesn't begin with definitions, it begins either \dot{Y} with some other contemplation of his own, and then it is still called 'opinion' or with \dot{Y} something said by someone else whose ability to know the truth, and whose honesty, is not doubted by the man in question. In the latter case, the discourse is not so much about its ostensible topic as about the trusted person; and its resolution - its 'bottom line' - is called BELIEF and FAITH. Faith in the man; belief both of the man and of the truth of what he says. Thus, in *belief* there are two opinions - one of what he says, the other of his virtue. To have faith in a man, or to trust a man, or to believe a man, signify the same thing - namely the opinion that \dot{Y} the man is truthful, but to believe what is said signifies only the opinion that \dot{Y} what he says is true. It should be noted that the phrase 'I believe *in* . . . ' never occurs except in the writings of theologians. In other writings we don't find 'believe *in*' but rather 'I believe him', 'I trust him', 'I have faith in him', 'I rely on him'. . . . This peculiarity in the ecclesiastical use of the word has raised many disputes about the right object of the Christian faith.

By 'believing in', as it occurs in the creed, is meant not \dot{Y} trust in the person but \dot{Y} confession and acknowledgment of the doctrine. For not only Christians but all sorts of men do believe in God in such a way as to regard as true everything they hear him say,

whether or not they understand it. That is as much faith and trust as can possibly be had in a person - *any* person - but they don't all *believe the doctrine* of the creed.

From this it follows that when we believe some statement to be true, on the basis not of facts about the subject-matter of the statement, or of the principles of natural reason, but of the authority and good opinion we have of the person who made the statement, then the object of our faith is the speaker - that person - whom we believe in, or trust in, and whose word we take; and our believing does honour to *him* only, and not to *the statement* he has made. And consequently, when we believe that the Scriptures are the word of God, having no immediate revelation from God himself, we are taking the church's word for it. Our belief, faith, and trust is just in the church. And those who believe what a prophet tells them in the name of God take the word of *the prophet*, do honour to *him*, and trust in *him*. . . . That is also how things stand with all other history as well. For if I didn't believe everything written by historians about the glorious acts of Alexander, or Caesar, I don't think the ghost of Alexander or Caesar would have any just cause to be offended - nor would anybody else except the historians. If Livy says the Gods once made a cow speak, and we don't believe it, that expresses our distrust not of the Gods of but Livy. So that it is evident that whenever we believe something for no other reason than what is drawn from authority of men and their writings, whether they or not they are sent from God, our faith is only in men.

Chapter 8. The virtues commonly called intellectual, and their contrary defects

Virtue generally, in all sorts of subjects, is something that is valued as making one stand out, and it depends on comparison. For if all qualities were equally present in all men, nothing would be prized. And by INTELLECTUAL virtues we understand such abilities of the mind as men praise, value, and desire for themselves. They commonly go under the name of 'good wit', though 'wit' is also used in a narrower sense to distinguish one particular intellectual ability from the rest.

These intellectual virtues are of two sorts - natural and acquired. By 'natural' I don't mean that a man has them from his birth, for *sensing* is the only thing of which that is true; and in their sensing abilities men differ so little from one another - and indeed from brute beasts - that sensing is not to be counted among virtues. What I mean by 'natural intellectual virtue' is the wit that is acquired purely through use and experience, without technique, development, or instruction. This NATURAL WIT consists mainly in two things: speed of imagining (that is, swift succession of one thought after another) and steady direction to some approved end. On the other side, a slow imagination makes the defect or fault of the mind that is commonly called 'DULLNESS', 'stupidity', and sometimes by other names that signify slowness of motion or resistance to being moved.

This difference in quickness is caused by differences in men's passions. People vary in what they like and dislike, and therefore some men's thoughts run one way and some another, and men differ in what they attend to and what they retain of the things that pass through their imagination. In this succession of men's thoughts there is nothing to attend to in the things they think about except in what ways they are like one another, in what they are unlike, what use they are, and how they serve for a given purpose. Those who notice likenesses that are rarely noticed by others are said to have 'a good wit', which in this context means a good fancy. Those who notice differences and unlikenesses - which is

called 'distinguishing' and 'discerning' and 'judging between thing and thing' - where the differences are not easy to spot, are said to have 'a good judgment'; and in conversational and business contexts where times, places, and persons have to be carefully and accurately distinguished, this virtue is called DISCRETION [here = 'the ability to discern, to make distinctions']. Fancy without the help of judgment is not commended as a virtue; but judgment and discretion is commended for itself, even without the help of fancy. Besides the discretion of times, places, and persons that is necessary for a good fancy, there is also required a frequent relating of one's thoughts to their purpose - that is, to some use to be made of them. Someone who has this virtue of discretion, if he is careful to relate his thoughts to their purpose, will easily find similarities and comparisons that will give pleasure not only as illustrating his discourse and adorning it with new and apt metaphors, but also insights that are rare and unusual. But when a great fancy is not accompanied by steadiness and direction to some end, it is one kind of madness - the kind possessed by people who, when they enter into any discourse, are snatched from their purpose by everything that comes in their thought, being drawn into so many digressions and parenthetical passages, and such long ones, that they utterly lose themselves: I know no particular name for this kind of folly, but I know some causes of it. One cause of it is lack of experience, which results in a man's thinking to be new and rare something with which others are familiar; another cause is pusillanimity [= 'pettiness of soul'], whereby someone sees as great something which to others is a trifle, and whatever is new or great in his estimation and therefore thought fit to be told gradually nudges the man off his intended course.

In a good poem - whether epic or dramatic - and also in sonnets, epigrams, and other pieces, both judgment and fancy are required; but the fancy must be more conspicuous, because poems please through their oddities (though they ought not to displease by indiscretion).

In a good history, *judgment* must be uppermost, because the goodness of a history consists in its method, its truth, and its choice of subject-matter. Fancy has no place here except in adorning the style.

In speeches of praise (and in invectives) the fancy is predominant, because the aim is not to speak the truth but to honour (or dishonour), which is done by noble (or nasty) comparisons. The judgment merely suggests what circumstances make an action laudable (or culpable).

In urgings and pleadings, it depends on what serves best for the design in hand: if it is truth, then there is more need for judgment; if it is disguise of the truth, then fancy is more required.

In demonstrations, in advice, and in all rigorous search for the truth, judgment does everything; except that sometimes the hearer's understanding needs to be *opened* by some apt comparison, and that requires some use of fancy. But metaphors are utterly excluded in this context. A metaphor openly announces its own untruthfulness, so it would obviously be foolish to admit it into advice or reasoning.

In any discourse whatever, if there is clearly a lack of discretion then, however wildly lavish the fancy is, the discourse as a whole will be taken as a sign of lack of wit; which will never happen when discretion is manifest, however humdrum the fancy is. [Hobbes is here using 'discretion' - the ability to make distinctions - in the special (and these days

more usual) sense of ‘the ability to distinguish occasions when some kind of behaviour is appropriate from ones where it is not’. See his next paragraph.]

A man’s *secret thoughts* can run over anything - holy, profane, clean, obscene, solemn, frivolous - without his being ashamed or blamed; but *discourse in words* can introduce such topics only subject to the judgment’s approving of the time, place, and persons. It is all right for a physician or a physician to speak or write his opinion about unclean things, because he is speaking or writing not to please but to inform; but if another man writes wild and whimsical fancies on such a subject, he is like someone who presents himself before good company after having been tumbled into the dirt. The latter person’s lack of discretion is what makes the difference. Another example: it is all right for someone who is engaged with his friends in openly casual conversation, to play with the sounds and ambiguous meanings of words, coming up with many colourful turns of phrase; but in a sermon or public address, to an audience of people whom one doesn’t know or whom one ought to reverence, *any* playing around with words will be regarded as folly; and again the difference is only in the lack of discretion. So that where wit is lacking, what is missing is not fancy but discretion. Judgment without fancy, therefore, is wit, but fancy without judgment is not.

When man who has a design in hand thinks about a multitude of things, noting how they fit in with this design or what other design they might fit in with, if his thoughts along these lines are not obvious and usual ones, this exercise of his wit is called PRUDENCE. It requires one to have had much experience, and memory of similar matters and their consequences on previous occasions. Men don’t differ as much in prudence as they do in fancy and judgment, because two men of about the same age don’t differ much in the *amount* of experience they have had; where they differ is in the *kinds* of experience they have had, because everyone has his own private designs and his own personal history. Governing a household well, and governing a kingdom well, don’t require different degrees of prudence; they are simply different sorts of business. Just as painting a miniature and painting a life-size portrait don’t require different degrees of artistic skill. A plain farmer is more prudent in the affairs of his own household than a high statesman is in the affairs of someone else.

If to prudence you add the use of unfair or dishonest means, such as men are usually led to by fear or need, you have the crooked wisdom known as CRAFT [= ‘craftiness’], which is a sign of pusillanimity. For magnanimity - the opposite of pusillanimity - is contempt for unfair or dishonest helps. And what the Latins call *versutia* (translated into English as ‘shifting’) consists in putting off a present danger or inconvenience by getting into a greater future trouble, as when a man robs one person in order to pay another. This is just *shorter-sighted craft*. Its Latin name comes from *versura*, which signifies borrowing money in order to pay interest on a previous debt.

I have been writing about *natural wit*, as I called it near the start of this chapter. As for *acquired wit* - by which I still mean wit acquired by method and instruction - the only example of it is *reason*. This is based on the proper use of speech, and *the sciences* are based on it. But I have already spoken of reason and science in chapters 5 and 6.

The causes of the difference of wits that I have noted throughout this chapter lie in the passions; and the difference in passions comes partly from differences of bodily constitution, and partly from difference of upbringing. For if the differences of wits

came from differences in the state of the brain and the exterior or interior organs of sense, men would differ as much in their sight, hearing, or other senses as they do in their fancies and discretions. So the differences of wits come from the passions; and differences in *those* comes not only from difference in men's physical constitutions but also from differences in their customs and education.

The passions that mostly cause the differences of wit are people's greater or lesser desire for power, for riches, for knowledge, and for honour. And all of that comes down to the first - the desire for power - because riches, knowledge, and honour are just various kinds of power.

Consider a man who has no great passion for any of these things - a man who is, as they say, 'indifferent'. Though he may be a good man, in that he doesn't do anything wrong, he still can't possibly have either a great fancy or much judgment. For the thoughts serve the desires as scouts and spies, to explore the territory and find the path to the things that are desired; and all steadiness of the mind's motion, and all quickness of thought, come from this scouting activity. To have no desires is to be dead; to have weak passions is dullness; to have strong passions indiscriminately for everything is GIDDINESS and distraction; and to have stronger and more intense passions for something than is ordinarily seen in others is what men call MADNESS.

There are almost as many kinds of madness as there are kinds of passions. Sometimes an extraordinary and extravagant passion is caused by some defect in the organs of the body or some damage to them; and sometimes - in the reverse direction - the damage and indisposition of the organs is caused by the intensity or long continuance of a passion. Either way it is exactly the same kind of madness.

The passion whose violence or continuance constitutes madness is either great vainglory (commonly called 'pride') or great dejection of mind.

Pride subjects a man to anger, and the excess of *that* is the madness called RAGE and FURY. That's how it comes about that excessive desire for revenge, when it becomes habitual, damages the organs of the body and becomes rage; that excessive love - with jealousy added in - also becomes rage; excessive good opinion of oneself - as having divine inspiration, as being wise, learned, handsome, or the like - becomes distraction and giddiness, and when envy is combined with *that* the result is rage; and that intense belief in the truth of something that others contradict is rage.

Dejection subjects a man to causeless fears, which is a madness commonly called MELANCHOLY. This also shows itself - as rage does - in various kinds of behaviour: in the frequenting of lonely places and graves, in superstitious behaviour, and in fearing some particular thing (different things for different sufferers). Summing up: all passions that produce strange and unusual behaviour are given the general name 'madness'; but someone who was willing to take the trouble could list hosts of different kinds of madness. And if the excesses of passion are madness, there is no doubt that any passion that tends to evil is a mild madness, even if it is not excessive.

For example, though the madness of someone who thinks he is divinely inspired may not result in any very extravagant action on his part, when many such people work together the rage of the whole multitude is visible enough. For what stronger evidence of madness can there be than to clamour, strike, and throw stones at our best friends? Yet this is what some quite small groups do: they clamour, fight against, and destroy those by

whom they have been protected against injury throughout their lifetimes. And if this is madness in the group, it is the same in every individual man. A man standing in the waves doesn't hear any sound from the part of the water that is right next him, but he knows perfectly well that that part contributes as much to the roaring of the sea as does any other part of the same size. In the same way, although we notice no great disturbance in one or two men, we can be very sure that their individual passions are parts of the seditious roaring of a troubled nation. And if nothing else showed their madness, their mere claim to be inspired is evidence enough. If a man in the madhouse says he is God or Christ, we will know why he has been shut up there!

This belief that one is inspired (commonly called 'private spirit') very often begins from some lucky discovery of an error in a commonly accepted belief. The discoverer doesn't know or doesn't remember what reasonable process brought him to this notable truth (as he thinks it to be, though in many cases what he has 'discovered' is an untruth), so he is immediately struck with wonder at himself, as being in the special grace of God almighty who has revealed this truth to him supernaturally.

For further evidence that madness is nothing but a powerful and disproportionate passion, consider the effects of wine. They are the same as the disorders of the bodily organs that produce excessive passions. The variety of behaviour in men who have drunk too much is the same as that of madmen: some of them raging, others loving, others laughing - according to their different dominant passions - all doing it extravagantly. That is because the effect of the wine is merely to hide from the drinker how ugly his passions are, so that he doesn't mind letting them show. For I believe that even the most sober of men, when they are on their own, relaxed, and not thinking about business, have thoughts whose vanity and extravagance they would not want to be publicly seen; which amounts to accepting that unguided passions are mostly mere madness.

In ancient times and more recently there have been two common opinions regarding the cause of madness. Some have held that madness comes from the passions; others that it is caused by good or bad demons or spirits which (they think) enter into the man, take him over, and move his organs in the strange and unfamiliar manner that is customary in madmen. The former sort call such men 'madmen'; but the latter have sometimes called them demoniacs (that is, possessed with spirits). . . .

There was once a great gathering of people in the Greek city of Abdera, to see the acting of the tragedy *Andromeda* on an extremely hot day. Many of the spectators fell into fevers as a result of the heat and the tragedy jointly, leading them to do nothing but pronounce lines of verse containing the names of Perseus and Andromeda. This behaviour was cured, as was the fever, by the advent of winter; and this madness was thought to have come from the passion imprinted by the tragedy. In another Greek city there reigned a fit of madness which seized only the young maidens, and caused many of them to hang themselves. Most people thought this was an act of the Devil. But someone suspected that the young women's disregard for their own lives might come from some passion of the mind, and conjectured that they wouldn't similarly disregard their honour - including their personal modesty, this being a passion that might outweigh the fatal one by which they were gripped. So he advised the magistrates to strip each woman who had hanged herself, letting them all hang out naked. This, the story says, cured that madness. But, on the other side, those same Greeks often ascribed madness to the operation of the Eumenides (or

Furies), and sometimes to Ceres, Phoebus, and other gods. This is an example of how much reality they attributed to phantasms, going so far as to think them to be airy living bodies, and to classify them as 'spirits'. The Romans shared these beliefs with the Greeks, and so also did the Jews: they called madmen 'prophets' or 'demoniacs' (depending on whether they thought the spirits good or bad); some of them characterized both prophets and demoniacs as 'madmen'; and some called the same individual man both 'demoniac' and 'madman'. This is not surprising in the non-Jewish peoples, because they classified as 'demons' (and worshipped as such) diseases and health, vices and virtues, and many natural states and features. So that among them a man could use the word 'demon' to refer to a fever as well as to a devil. But for the Jews to have such an opinion is somewhat strange. For Moses and Abraham claimed to prophesy on the basis not of being possessed by a spirit but of hearing the voice of God, or of a vision or dream, and in the law of Moses there is nothing - moral or ceremonial - which taught the Jews that there is any such thing as possession by a spirit. . . . When the Scriptures refer to 'the spirit of God in man' they mean the spirit of a man who is inclined to godliness. And where the Bible says 'whom I have filled with the spirit of wisdom to make garments for Aaron' (*Exodus* 28:3) it doesn't mean that a spirit that can make garments has been put into them. Rather, it is referring to *their own* spirits' wisdom in that kind of work. Similarly, when the spirit of man produces unclean actions, it is ordinarily called 'an unclean spirit', and the same for other kinds of spirits - not absolutely always, but whenever the virtue or vice in question is extraordinary and conspicuous. Nor did the other prophets of the old Testament claim that they were possessed by spirits, or that God spoke *in* them; rather, they claimed that God spoke *to* them - by voice, vision, or dream. As for 'the burden of the Lord': this was not possession, but command. How, then, could the Jews succumb to this belief about possession? The only cause I can think of applies -not just to Jews but- to all men: their lack of curiosity about natural causes, and their tying of happiness to the acquiring of the gross pleasures of the senses and of things that most immediately produce them. When such people see that a man's mind has some strange and unusual ability or defect, unless they also see what probably caused it, they can hardly think it natural; and if they think it is not natural, they have to think it supernatural; and then (they conclude-) what can it be but that either God or the Devil is in him?

And so it happened that when our Saviour was hemmed in by the crowd, his friends feared that he was mad and tried to restrain him; but the scribes said that he had the Devil in him, and that *that* was what enabled him to cast out devils - as if the greater madman had awed the lesser! (*Mark* 3:21). And it happened that some said 'He has a devil' and 'He is mad', whereas others took him to be a prophet, and said 'These are not the words of someone who has a devil inside him.' (*John* 10:20). Again, in the old Testament a prophet came to anoint Jehu, but some of Jehu's people asked him 'What is that madman doing here?' (*2 Kings* 9:11). Clearly, then, whoever behaved in extraordinary manner was thought by the Jews to be possessed with either a good or an evil spirit; except for the Sadducees, who erred so far in the other direction as not to believe there were any spirits at all (which is very near to direct atheism), which may have provoked others to label them as 'demoniacs' rather than as 'madmen'.

But why then does our Saviour go about curing of them as though they were possessed, not as though they were mad? I reply that arguments taken from a mere

manner of speaking are not solid. Consider how often sacred Scripture speaks of the earth as immobile, though almost all scientists today think there is very clear evidence that it moves! Scripture was written by the prophets and apostles not to teach science, which God leaves to the exercise of natural reason in thought and debate, but to teach piety and the way to eternal salvation. This objective of promoting our obedience and subjection to God almighty is not in the least affected by whether day and night are made by the movement of the earth or of the sun, or by whether men's weird actions come from passion or from the devil - so long as we don't *worship* the devil.

As for the fact that our Saviour speaks to the disease as to a person: that is usual among those who cure by words alone, as Christ did (and as enchanter's claim to do, whether they speak to a devil or not). For isn't Christ also said to have rebuked the winds? (*Matthew* 8:26.) But in case you reply that winds are spirits, I add another example: Isn't he also said to rebuke a fever? (*Luke* 4:39.) Yet this does not show that Christ thought that a fever is a devil. Many of those 'devils' are said to have acknowledged Christ, but we can interpret those passages as saying only that those madmen acknowledged him. Then there is the passage (*Matthew* 12:43) where our Saviour speaks of an unclean spirit that goes out of a man, wanders through dry places seeking rest, and finding none and returns into the same man bringing with it with seven even worse spirits. This is obviously a parable; it concerns a man who makes some attempt to quit his lusts, is defeated by the strength of them, and thus becomes seven times worse than he was. So that I see nothing at all in the Scripture requiring a belief that 'demoniacs' were anything but madmen.

Writing about abuses of words in chapter 5, I discussed one that can also be classified as a sort of madness; namely *absurdity*. That is what we have when men in their speech string words together in such a way as to have no meaning at all. Some people *accept* these absurd strings through misunderstanding what they hear, and then repeat them parrot-fashion thus prolonging their life; other people perpetuate them out of an intention to deceive through obscurity. This occurs only in discourse about questions in incomprehensible matters, as the schoolmen do, or about questions in abstruse philosophy. Ordinary people seldom speak meaninglessly, which is why they are regarded as idiots by those other *distinguished* persons! But to be assured that the latter's words have nothing corresponding to them in the speaker's mind, you may want some examples. If you do, get hold of a schoolman and see if he can translate any one chapter about one of the difficult points - the Trinity, the Deity, the nature of Christ, transubstantiation, free-will, or the like - into any of the modern languages, so as to make it intelligible; or into any tolerable Latin such as people knew back when the Latin tongue was an everyday language. What is the meaning of these words?

The first cause does not necessarily inflow anything into the second, by force of the essential subordination of the second causes, by which it may help it to work. They translate the title of chapter 6 of Suarez's first book, *Of the Concourse, Motion, and Help of God*. When men write whole volumes of such stuff, are they not mad, or don't they intend to make others so? And especially in the question of *transubstantiation*, where after uttering certain words they say that

the whiteness, roundness, magnitude, quality, corruptibility - all which are incorporeal, etc. - go out of the communion-wafer into the body of our blessed Saviour,

don't they treat those *nesses*, *tudes*, and *ties* as a bunch of spirits possessing his body? For by 'spirits', they mean things that are incorporeal but nevertheless can move from one place to another. So that this kind of absurdity can rightly be counted as a sort of madness. People who are subject to it do sometimes avoid disputing or writing in such terms; those times - when the people are guided by clear thoughts relating to worldly pleasures - are merely lucid intervals between long periods of madness.

That is all I have to say about intellectual virtues and defects.

Chapter 9. The various subjects of knowledge

There are two kinds of KNOWLEDGE: ¶knowledge of fact, and ¶knowledge concerning what propositions are consequences of what others. ¶The former is nothing but sense and memory, and is *absolute* knowledge; as when we see something happen or remember it happening; and this is the knowledge required in a witness. ¶The latter is called 'science', and is not absolute, but *conditional*; as when we know that, *if* this figure is a circle then any straight line through the centre will divide it into two equal parts. And this is the knowledge required in a philosopher [here = 'philosopher or scientist'], that is to say, someone who claims to be reasoning.

The record of knowledge of fact is called 'history', which falls into two sorts. ¶One is called 'natural history'; it is the history of facts (or effects of nature) that don't in any way depend on man's will - for example the histories of metals, plants, animals, regions, and the like. ¶The other is civil history, which is the history of the voluntary actions of men in commonwealths.

The records of science are whatever books contain demonstrations of how one proposition is a consequence of another; they are commonly called books of 'philosophy' [again = 'philosophy or science']. This has many kinds, because of the different subject-matters that branches of science can have. The kinds are set out on the following page:-

SCIENCE, that is, knowledge of consequences; also called PHILOSOPHY.

This divides into two:

1. Consequences from the features of \forall natural bodies; which is called NATURAL PHILOSOPHY.
2. Consequences from the features of \forall politic bodies; which is called POLITICS, and CIVIL PHILOSOPHY.

Before turning to the more complex divisions of 1, I shall get the divisions of 2 out of the way. It divides into:

- 2.1 Of consequences from the institution of COMMONWEALTHS to the rights and duties of the body politic, or sovereign.
- 2.2 Of consequences from the institution of COMMONWEALTHS to the duty and right of the subjects.

[In presenting the divisions and sub-division of (1) natural philosophy, bold type will be used for each item that is not further sub-divided.] The first division is into:

- 1.1 Consequences from the features that all natural bodies have, namely *quantity* and *motion*.
- 1.2 PHYSICS, or consequences from *qualities*.

The primary division of 1.1 is into:

- 1.1.1 Consequences from *quantity and motion as such*, which, being the principles or first foundation of philosophy, is called **first philosophy**.
- 1.1.2 Consequences from *specific facts involving motion and quantity*.

The principal division of 1.1.2 is into a branch leading through one further sub-division to **geometry** and **arithmetic**, and a branch leading through several further sub-divisions to **astronomy**, **geography**, **engineering**, **architecture**, **navigation**, and **meteorology**.

The principal division of (1.2) physics is into:

- 1.2.1 Consequences from the qualities of transient bodies, such as sometimes appear and sometimes vanish, **meteorology**.
- 1.2.2 Consequences from the qualities of permanent bodies.

One branch of this concerns *stars* and *the sun*, and yields the sciences of **sciography** [= 'theory of sundials'] and **astrology**. A second branch concerns 'liquid bodies that fill the space between the stars; such as are the air or ethereal substances'. The third branch is:

- 1.2.2.3 Consequences from the qualities of terrestrial bodies.

These divide into \forall non-sentient and \forall sentient bodies. The former branch yields **mineralogy** and **botany** [though Hobbes does not label them as such]. The latter branch divides into \forall animals in general and \forall men in particular. Under \forall 'animals in general' we get **optics** and **music** and 'consequences from the rest of the senses'. Under \forall 'men in particular' we have two branches, one concerning 'consequences from the passions of men', **ethics**; the other concerning 'consequences from speech'. The latter divides into 'magnifying, vilifying etc.' (**poetry**), 'persuading' (**rhetoric**), reasoning (**logic**), and 'contracting' (**the science of just and unjust**).

[Curley calls attention to the significant fact that for Hobbes the science of just and unjust belongs to natural philosophy, not civil philosophy.]

Chapter 10. Power, worth, dignity, honour, and worthiness

In the broadest and most general sense, a man's *power* is his present means to obtain some future apparent good. Power is either *original* (·natural·) or *instrumental*.

Natural (·original·) power is outstandingness in the faculties of body or mind, such as extraordinary strength, good looks, prudence, practical skill, eloquence, generosity, nobility. *Instrumental* powers are acquired through natural powers or through luck; they are means and instruments to acquire more, for example riches, reputation, friends, and the secret working of God which men call good luck. For power is like fame in that it increases as it proceeds; or like the motion of ·falling· heavy bodies, which go faster as they go further.

The greatest of human powers is that possessed by one natural or civil person (·that is, one human person or one person-like political entity·) to whom most men have agreed to hand over their individual powers. It may be that *this one* 'person' decides how the powers are to be exercised, as happens in a commonwealth; or it may *depend* on the wills of the individual men, as happens in a faction or an alliance of several factions. Therefore to have servants is power; to have friends is power: for they are strengths united.

Also riches joined with generosity is power, because it procures friends and servants; without generosity, not so, because in that case the friends and servants don't defend the rich man but rather regard him as prey.

A reputation for having power *is* power; because it attracts the adherence of people needing protection.

So is a reputation for loving one's country (called 'popularity'), for the same reason.

Also, any quality at all that makes a man loved or feared by many people, or the ·mere· reputation for having such a quality, is power; because it is a means to getting the assistance and service of many people.

Success is power, because it gives one a reputation for wisdom or for good luck, and that leads to one's being feared or relied on.

Amiability on the part of men already in power *is increase* of power; because it gains love.

A reputation for prudence in the conduct of peace or war is power; because we are more willing to be governed by prudent men than by others.

Noble rank is power - not everywhere, but only in commonwealths where high rank brings privileges, for it is the privileges that constitute the power.

Eloquence is power, because it gives the appearance of prudence.

Good looks are power, because they are a promise of good ·behaviour·, which recommends a handsome man to the favour of women and strangers.

The sciences are small power, because nobody is outstanding ·in his scientific knowledge and skill·, so nobody is thought of in those terms. (For science is something that nobody can recognize ·in someone else· unless he has a good deal of it himself.) Indeed, few men have any scientific knowledge, and those who *do* have it about only a few things.

Arts [in the sense explained at the start of the Introduction] that are of public use - such as fortification, and the construction of siege-engines and other instruments of war - contribute to defence and to victory, so they are power: and though their true mother is a science - namely, mathematics - they are brought into the light by the hand of the

manufacturer, and so they are counted as *his* offspring by the common people for whom the midwife passes as the mother.

The value or WORTH of a man is - like the value of anything - his *price*; that is to say, the amount that would be given for the use of his power. So it is not absolute but conditional, because it depends on someone else's need and judgment. An able leader of soldiers has a great price when war is present or imminent, but in peace not so. A learned and uncorrupt judge is worth much in time of peace, but not so much in war. And with men as with other things, it is not the seller but the buyer who fixes the price. A man may rate himself at the highest value he can (as most men do); but his true value is no more than others reckon it to be.

Showing the value we set on one another is what is commonly called 'honouring' and 'dishonouring'. To value a man at a high rate is to honour him; at a low rate, to dishonour him. But in this context 'high' and 'low' are to be understood by comparison to the rate that each man sets on himself.

The public worth of a man, which is the value set on him by the commonwealth, is what men commonly call DIGNITY. And this value that the commonwealth assigns to him is shown by offices of command, judicature, or other public employment, or by names and titles that are introduced to mark out such value.

To request someone for aid of any kind is to HONOUR him, because it shows that we think he has power to help; and the more difficult the aid is, the greater the honour.

To obey someone is to honour him, because no man obeys those who he thinks have no power to help or hurt him. And consequently to disobey is to dishonour.

To give large gifts to a man is to honour him, because it is buying protection and acknowledging power. To give little gifts is to dishonour, because it is merely alms-giving, and signifies one's belief that the recipient stands in need of small helps.

To be diligent in promoting someone else's good - and also to flatter - is to honour him, as a sign that we seek his protection or aid. To neglect someone is to dishonour him.

To give someone else to go ahead of one in getting some advantage is to honour him by acknowledging his greater power. To claim precedence for oneself is to dishonour the other man.

To show any sign of love or fear towards someone else is to honour him, for loving and fearing are both *valuing*. To treat someone as negligible, or to love or fear him less than he expects, is to dishonour him by undervaluing him.

To praise or magnify someone or call him happy is to honour him, because nothing but goodness, power, and happiness is valued. To revile, mock, or pity someone is to dishonour him.

To speak to someone with consideration, to present oneself to him in a polite and humble fashion, is to honour him, because this shows fear of offending him. To speak to him rashly, or to do anything obscene, sloppy or impertinent is to dishonour him.

To believe, trust, or rely on someone else is to honour him by showing one's opinion of his virtue and power. To distrust or disbelieve is to dishonour.

To take heed of a man's advice, or of what he says of any other kind, is to honour him, as a sign we think him wise, eloquent, or witty. To sleep or leave the room or talk oneself while he is speaking is to dishonour him.

To do towards someone else the things that *he* takes for signs of honour, or which *the law or custom* makes so, is to honour him; because in approving the honour done by others one acknowledges the power that others acknowledge. To refuse to do those things is to dishonour.

To agree with an opinion of someone else is to honour him, by signifying that you approve his judgment and wisdom. To dissent is dishonour; and to dissent in many things and scold the person for his errors is worse than mere dishonouring, for it is outright folly.

To imitate is to honour; for it is to approve emphatically. You dishonour someone if you imitate his enemy.

To honour those whom someone else honours is to honour him, by signifying your approval of his judgment. To honour his enemies is to dishonour him.

To employ someone as an advisor, or as an agent in some difficult matter, is to honour, by signifying your opinion of his wisdom or other power. To deny employment in such cases to those that seek it is to dishonour them.

All these ways of honouring are *natural*: they can occur outside commonwealths as well as within them. But in commonwealths, where whoever has (or have) the supreme authority can make anything he likes (or they like) count as a sign of honour, there are other honours.

A sovereign honours a subject with any title, or office, or employment, or action that the sovereign himself has *taken to be* a sign of his wish to honour that subject.

The king of Persia honoured Mordecai when he decreed that he should be led through the streets in the king's garment, on one of the king's horses, with a crown on his head, and ahead of him a prince proclaiming 'This is what will come to someone whom the king wants to honour'. And a different king of Persia - or the same king at another time - dealt differently with a subject who asked, as a reward for some great service, to be allowed to wear one of the king's robes. This king gave him permission to do so, but added that he was to wear it as the king's fool [= 'clown', 'conjurer', 'jokester']; and that made the wearing of the king's robe a dishonour. Thus, for civil honour - as distinct from natural honour - the source is the person of the commonwealth, and depends on the will of the sovereign. So such honours are temporary. Examples of civil honours are magistracy, offices, titles - and in some places painted badges and coats of arms. Men honour people who have these, as having so many signs of favour in the commonwealth - which favour is power.

Any possession, action, or quality that is evidence of power is *honourable*.

And therefore to be honoured, loved, or feared by many people is honourable, as evidence of power. To be honoured by few or none is dishonourable.

Dominance and victory are honourable, because acquired through power; and servitude - if arising from need or fear - is dishonourable.

Lasting good fortune is honourable, as a sign of the favour of God. Ill fortune, and losses are dishonourable. Riches are honourable, for they are power. Poverty is dishonourable. Magnanimity, liberality, hope, courage, and confidence, are honourable, because they come from one's awareness of one's own power. Pusillanimity, meanness, fear, and distrust are dishonourable.

Promptness in deciding what to do is honourable, as involving a disregard for small difficulties and dangers. And indecision is dishonourable, as a sign of caring too much about little obstacles and little advantages; for if a man weighs the pros and cons for as long as time permits, and still doesn't decide, the difference of weight can't be large; so in not deciding he is overvaluing little things, which is pusillanimity.

All actions and speeches that come or seem to come from much experience, science, discretion, or wit are honourable; for all these are powers. Actions or words that come from error, ignorance, or folly are dishonourable.

Gravity [= 'dignified heaviness of manner'] is honourable when it seems to come from a mind employed on something else, because employment is a sign of power. But if it seems to come merely from a desire to appear grave, it is dishonourable. For the gravity in the former case is like the steadiness of a ship loaded with merchandise; but the latter is like the steadiness of a ship ballasted with sand and other trash.

To be conspicuous - i.e. to be *known* - for wealth, office, great actions, or any outstanding good is honourable, as a sign of the power for which one stands out. On the other side, obscurity is dishonourable.

To be descended from conspicuous parents is honourable, because then one has ancestors from whose friends one can more easily get help. On the other hand, to be descended from obscure parentage is dishonourable.

Actions that are based on fairness and involve one in loss are honourable, as signs of magnanimity; for magnanimity is a sign of power. On the other side, craftiness, trickery, and neglect of fairness are dishonourable.

To be covetous of great riches and ambitious for great honours are honourable, as signs of power to obtain riches and honours. To be covetous and ambitious for little gains or promotions is dishonourable.

If an action is great and difficult, and consequently a sign of much power, its status as honourable isn't affected by whether it is just or unjust; for honour consists only in the belief in someone's power. So the ancient pagans didn't think they dishonoured the Gods - indeed they thought they greatly honoured them - when they introduced them into their poems as committing rapes, thefts, and other great - but unjust or unclean - acts. This went so far that nothing about Jupiter is so much celebrated as his adulteries, nor about Mercury as his frauds and thefts. In a hymn by Homer, the greatest praise of Mercury is that having been born in the morning he had invented music at noon, and before night had stolen Apollo's cattle away from his herdsmen.

Until great commonwealths were constituted, there was not thought to be any dishonour in being a pirate or a highway thief, these being regarded as lawful trades. Not only among the Greeks, but also among all other nations, as can be clearly seen in the histories of ancient times. And even today in *this* part of the world although private duels are unlawful they are honourable (and will continue to be so until the time comes when shame goes to the man who challenges someone to a duel, and honour is given to the man who refuses the challenge). For duels are often effects of courage, and courage is always based on strength or skill, which are power; though for the most part duels are outcomes of rash talk and of the fear of dishonour, in one or both the combatants; hooked in by rashness, they are driven to fight so as to avoid disgrace.

Hereditary badges and coats of arms are honourable if they carry any outstanding privileges with them, but not otherwise, for their power consists in such privileges, or in riches, or something of a kind that is equally honoured in other men, .i.e. ones that don't have coats of arms or the like. This kind of honour, commonly called 'gentry' [here = 'superiority of birth or rank'] has come from the ancient Germans. For no such thing has ever been known in places where German customs were unknown. Nor is it in use now anywhere where the Germans haven't lived. When the ancient Greek commanders went to war, they had their shields painted with whatever devices [= 'pictures or patterns or mottoes'] they pleased, because an unpainted shield was a sign of poverty, marking one as a common soldier; but they didn't pass them on to their descendants. The Romans did transmit to their descendants the marks of their families; but those marks were *portraits* of the Romans' ancestors, not their *devices*. Among the people of Asia, Africa, and America no such thing does or ever did exist. Only the Germans had that custom; and from them it has spread into England, France, Spain, and Italy, at times when great numbers of Germans aided the Romans, or when the Germans made their own conquests in these western parts of the world.

Like all other countries, Germany started out divided among countless little lords or masters of families that were continually at war with one another; those masters or lords painted their armour or their coat with a picture of some animal or other thing, and also put some conspicuous mark on the crest of their helmets; doing this partly for ornament but mainly so that their followers could recognize them when they were covered with armour. And this ornament of the arms and the crest was inherited by their children; going to the oldest son in its pure form, and to the others with some change approved by the herald. [Hobbes includes a conjecture, not now accepted, about the origin of the word 'herald'; and adds something concerning the office of the herald.] And the descendants of these lords constitute the great and ancient gentry [here = 'people of good birth'], who for the most part have on their coats of arms pictures of living creatures that are noted for courage and ferocity, or of castles, battlements, belts, weapons, bars, palisades, and other warlike things, because in those times nothing was honoured but military prowess. Afterwards, not only kings but also popular [= 'democratic'] commonwealths awarded various sorts of badges to those who went off to war (as encouragement) and to those who returned from war (as reward). An attentive reader can find all this confirmed in such of the ancient histories, Greek and Latin, as mention the German nation and its customs.

Titles of honour, such as 'duke', 'count', 'marquis', and 'baron', are honourable; as signifying the value set on the person by the sovereign power of the commonwealth. In earlier times, these were titles of *office* and of *command*, variously derived from the Romans, the Germans, and the French. Dukes, in Latin *duces* [leader], were generals in war: counts, in Latin *comites* [companion], were those who kept the general company out of friendship, and were left to govern and defend places that had been conquered and pacified: marquises, French *marche* [frontier province], were counts who governed the marches or borders of the empire. These titles 'duke', 'count', and 'marquis' came into the Roman empire at about the time of Constantine the Great, from the customs of the German militia. [Hobbes then offers conjectures about the origin of 'baron'.] In the course of time, because the power of certain men in England was inconvenient, the powers associated with these titles ceased or were taken away, and in the end the titles were

conferred on the rich or on those who had deserved well, for no other reason than to make a distinction among the orders of citizens; and men were made dukes, counts, marquises, and barons of places where they owned nothing and had no authority; and other titles were also invented for the same purpose.

WORTHINESS is something different from a man's worth or value, and also from his merit or desert. It consists in a specific power or ability for whatever it is that he is said to be worthy of (this specific ability is usually called FITNESS or aptitude).

The man is worthiest to be a commander, to be a judge, or to have any other responsibility, who is best equipped with the qualities required to do the job well; and he is worthiest of riches who has the qualities required for using riches well. Someone may lack those qualities yet be a worthy man and valuable for something else. Again, a man may be worthy of riches, office, and employment yet not have any right to have it before someone else, and therefore can't be said to merit or deserve it. For merit or desert presupposes a right, and presupposes that the thing deserved is owing to the man because of a promise. I shall say more about this later, when I speak of contracts.

Chapter 11. The difference of manners

By 'manners' I don't mean here decency of behaviour - how one man should greet another, or how a man should wash his mouth, or pick his teeth in public, and other such points of minor morality - but rather the qualities of mankind that concern their living together in peace and unity. Moving in on this topic, we should bear in mind that happiness in this life does not consist in the calm of a satisfied mind. For there is no such *finis ultimus* (ultimate aim) or *summum bonum* (greatest good) as is spoken of in the books of the old moral philosophers. A man can no more live when all his desires are at an end than he can live when his senses and imaginations have come to a halt. Happiness is a continual progress of desires from one object to another, the attaining of one being merely the path to the next. This is because the object of man's desire is not to enjoy something only once and for one instant of time, but to assure for ever the path of his future desire. That is why all men's voluntary actions and inclinations tend not only to procuring but also to assuring a contented life; and they differ only concerning the way to that. Those differences arise partly from the fact that different men have different passions and thus want and fear different things, and partly from differences in what they know or think about which causes will produce the desired effect.

So I give primacy, for a general inclination of all mankind, to a **perpetual and restless desire for power after power, a desire that ceases only in death**. The cause of this is not always that a man hopes for a more intense delight than he has already achieved, or that he can't be content with a moderate power. Often it is rather that a man cannot assure his present level of power and of means for living well without acquiring more power. That is how it comes about that kings, whose power is greatest, direct their efforts to assuring it at home by laws or abroad by wars; and when that is done, some new desire turns up - in some a desire for fame from new conquests, in others for ease and sensual pleasure, in yet others for admiration or flattery for their excellence in some art or other ability of the mind.

Competition for riches, honour, command, or any other power tends to produce quarrelling, enmity, and war; because one competitor's path to the achievement of his

desire is to kill, subdue, outwit, or repel the other competitor. Here is a subtly disguised example of this. Competition for praise tends to produce reverence for antiquity, for in this context men are contending with the living, not with the dead: they are ascribing to the ancient dead more than their due, so that this will dim the glory of the others, i.e. their living competitors.

Desire for ease and sensual delight disposes men to obey a common power, because ease and sensuality lead a man to abandon the protection he might have hoped for from his own hard work, and so he seeks the protection of the common power. Fear of violent death and of wounds disposes men the same way, and for the same reason. On the other hand, men who are tough but in need and not contented with their present condition, and also men who are ambitious for military command, are inclined to keep wars going and to stir up trouble and sedition; for there is no military honour except through war, and the best hope of getting better cards is to re-shuffle the deck.

Desire for knowledge and for arts of peace inclines men to obey a common power: For that desire contains a desire for leisure, and consequently protection from some other power than their own.

Desire for praise disposes men to praiseworthy actions - ones that will please the people whose judgment they value. Not other people, for when we have no regard for someone we also have no regard for his praises. Desire for fame after death does the same. After death there is no awareness of the praise given us on earth - such awareness being a joy that is either swallowed up in the unutterable joys of Heaven or extinguished in the extreme torments of Hell. Still, such fame is not worthless to us; for men have a *present* delight in *foreseeing* such praise, and the benefit that their posterity may get from it. They don't now see that praise or that benefit, but they imagine it; and anything that is a pleasure when perceived through the senses is also a pleasure in the imagination.

To have received greater benefits than we have any hope of repaying, from someone whom we think of as our equal, disposes us to pretend that we love him but really to hate him. This state of affairs puts a man into the situation of a desperate debtor who, choosing not to see his creditor, silently wishes he would go where the debtor would never see him again. For a benefit creates an obligation, which is servitude, and an obligation that can't be discharged is perpetual servitude, which is hateful if the other person is one's equal. But to have received benefits from someone whom we acknowledge as our superior inclines us to love him; because the obligation doesn't press us down *any further*, and cheerful acceptance of it (which men call 'gratitude') is an honour done to the obliger that is generally understood to be repayment. Also to receive benefits, even from an equal or an inferior, disposes one to love him as long as there is hope of repayment; for in such a case the receiver sees the obligation as one of giving comparable help in return; and this gives rise to a competition for who will give the greater benefit - the most noble and profitable contest possible, with the winner being pleased with his victory, and the loser 'getting his revenge' by admitting defeat!

Harming a man more than one can (or is willing to) make amends for inclines one to hate the sufferer. For one must expect revenge or forgiveness, both which are hateful.

Fear of oppression disposes a man to strike first, or to seek aid through society, for there is no other way for a man to secure his life and liberty.

In a time of tumult and sedition, men who distrust their own subtlety are in better shape for victory than those who suppose themselves to be wise or crafty. For the latter love to consult, whereas the former (fearing to be outdone in any negotiations) prefer to strike first. And in sedition, where men are always in the vicinity of a battle, holding together and using all advantages of force is a better tactic than any that can come from subtlety of wit.

Vainglorious men of the kind who aren't conscious of any great adequacy in themselves, but delight in pretending to themselves that they are gallant men, are inclined only to put on a show of strength and courage, but not actually to attempt anything requiring those virtues; because when danger or difficulty appears, all they expect is that their inadequacy will be revealed.

There are also vainglorious men of a different kind. They are ones whose estimate of their own adequacy is based on the flattery of other men, or on some past success of theirs, but who don't have any true knowledge of themselves that would give them a secure ground for hope of their own future performances in difficulties. They are inclined to approach conflicts rashly; but when danger or difficulty come close, they withdraw if they can. Not seeing any way of staying safe in the fight, they would rather risk their reputations, which may be rescued with an excuse, than risk their lives, for which no rescue is sufficient if they stay in the fight.

Men who have a strong opinion of their own wisdom in matters of government are inclined to be ambitious, because (they think) the honour of their wisdom is lost if they are not publicly employed as legislators or judges. That is why eloquent speakers are inclined to ambition; for eloquence appears to be wisdom, both to the speaker and to his listeners.

Pusillanimity [= 'pettiness of soul'] makes men tend to be indecisive, so that they miss their best opportunities for action. When men have deliberated right up to the time when action must be taken, if it isn't obvious *then* what it would be best to do, then that is a sign that there is no great difference between the case for acting in one way and the case for acting in the other; in which case it is pusillanimous not to decide the issue, and to let the opportunity go by while one weighs up trifles.

Frugality, although a virtue in poor men, makes a man unlikely to succeed in actions that require the strength of many men at once; for it weakens the efforts of the potential helpers - efforts that need to be nourished and kept strong by rewards.

Eloquence, when used in flattery, inclines men to trust those who have it, because eloquence seems like wisdom and flattery seems like good will. Add military reputation to the mix and men are inclined to affiliate themselves with, and subject themselves to, a man who has this trio of characteristics. The first two have reassured them regarding danger from *him*; the third reassures them against danger from *others*.

Lack of science (that is, ignorance of causes) inclines a man to rely on the advice and authority of others - indeed it *forces* him to do this. For all men who are concerned with the truth, if they don't or can't rely on their own opinion, must rely on the opinion of someone else whom they think to be wiser than themselves and whom they see no reason to suspect of deceitfulness.

Ignorance of the meanings of words, which is lack of understanding, inclines men to take on trust not only the truth that they don't know but also the errors and, what's

more, the nonsense of the people they trust; for neither error nor nonsense can be detected without a perfect understanding of words.

That same lack of understanding brings it about that men give different names to one and the same thing, because of difference in their passions. For example, those who approve some opinion that isn't part of any official doctrine call it an 'opinion', while those who dislike it call it 'heresy' - though really 'heresy' means the same as 'unofficial opinion' except for adding a suggestion of anger.

It also comes about from that same lack of understanding that men have to think very hard to see how to distinguish one action of one multitude from many actions of many men; for example, distinguishing one action of all the senators of Rome in killing Cataline from the many actions of a number of senators in killing Caesar. That inclines men to view as the action of the people (-with *the action* and *the people* each thought of as a single item-) what is really a multitude of actions done by a multitude of men, perhaps led by the persuasion of one.

Ignorance of the sources of right, equity, law, and justice, and of their fundamental nature, inclines a man to regulate his behaviour in terms of *custom and example*. So he thinks *unjust* whatever has customarily been punished, and thinks *just* anything for which he can find a previous example that was approved and not punished. (It is only lawyers who use this false measure of justice; instead of 'example' they use the barbarous term 'precedent'.) This is to behave like little children who have no rule of good and bad manners except the correction they get from their parents and teachers. The only difference is that children constantly obey their rule, whereas, adults do not: having grown up and become stubborn, they invoke reason against custom, and custom against reason, as it suits their purposes. They back away from custom when their interests require them so, and set themselves against reason whenever reason is against them; which is why there are perpetual disputes - on paper and on battlefields - about the doctrine of right and wrong. No such thing happens with the doctrine of lines and figures, because nobody has to fear that the truth in geometry will interfere with his ambition, profit or lust. Consider the proposition that *the three angles of a triangle are equal to two right-angles*. If this had conflicted with somebody's right to wield political power, or with interests of men who have such power, the threatened person would have done his best to suppress this proposition by having all books of geometry burned.

Ignorance of distant causes inclines men to attribute all events to their immediate causes, because these are the only ones they perceive. That is how it comes about that in all nations men who are aggrieved about paying taxes aim their anger at the tax-collectors, and ally themselves with those who find fault with the government. And when they have gone too far in this to have any hope of justification, they physically attack the supreme authority, because they are afraid of punishment or ashamed of being pardoned.

Ignorance of natural causes tends to make a man so credulous that he often believes impossibilities: he can't detect the impossibility, because he doesn't *know* anything that shows it to be such. And because men love to be listened to, a credulous person is inclined to tell lies [here = 'untruths', not necessarily ones that the speaker believes to be untrue]; so that even when there is no malice, sheer ignorance can lead a man both to believe lies and to tell them - and sometimes also to invent them.

Anxiety regarding the future inclines men to investigate the causes of things; because knowledge of causes enables men to make a better job of managing the present to their best advantage.

Curiosity, or love of the knowledge of causes, draws a man from consideration of the effect to seek the cause, and then for the cause of that cause, and so on backwards until finally he is forced to have the thought that

there is some cause that had no previous cause, but is eternal; this being what men call 'God'.

So you can't conduct any deep investigation into natural causes without being inclined by it to believe there is one eternal God; though we can't express his nature in any idea in our mind. A man born blind, hearing men talk of warming themselves by the fire and being brought to warm himself in the same way, can easily conceive and firmly believe that there is *something there* that men call 'fire', and that causes the heat he feels; but he can't imagine what it is like visually, nor can he have an idea of it in his mind like the idea that sighted people have. Well, similarly, the visible things of this world, and their admirable order, can lead one to be certain that there is a cause of them, which men call 'God', although one has no idea or image of God in one's mind.

Even those who make little or no enquiry into the natural causes of things, still have causal beliefs of a sort. Their ignorance of whether or not there is some power by which they can be helped or harmed generates *fear*, which inclines them to suppose - to dream up for themselves - various kinds of invisible powers, and to stand in awe of their own imaginations! In times of distress they invoke these invisible powers for aid, and at times of unexpected good fortune they give them thanks - thus making *gods* out of the creatures of their own imagination. In this way it has come about, through the endless variety of men's imaginations, that they have created in the world an endless variety of gods. This fear of invisible things is the natural seed of what each person calls 'religion' (speaking of his own version of it) or 'superstition' (speaking of those who worship or fear the invisible powers in some way other than his).

Of the many people who have been aware of this seed of religion, some have been inclined to nourish it, dress it up, and form it into laws; and to add to it further propositions about the causes of future events - propositions which they have invented, and which they have thought would help them to induce others to serve them.

Chapter 12. Religion

Seeing that there are no signs or fruits of religion except in man, there is no reason to doubt that the seed of religion is also only in man, and that it consists in some special quality that other living creatures don't have, or anyway not in such a high degree. There are three such special features of mankind.

Firstly: men want to know about the causes of the events they see - some want this more strongly than others, but all men want it enough to care a good deal about the causes of their own good and bad luck.

Secondly: on seeing anything that has a beginning, a man will think it had a cause that made it begin at that time rather than sooner or later.

Thirdly: a man observes how one event has been produced by another, and remembers the order in which they occurred; and when he can't be sure of the true causes

of things (·which often happens·, for the causes of good and bad luck are mostly invisible), he either *supposes* causes for them on the prompting of his imagination or ·forms *beliefs* about their causes because he· trusts to the authority of other men whom he thinks to be his friends and to be wiser than himself. In contrast with this, beasts have no happiness except that of enjoying of their daily food, lazing, and lusts; and have little or no foresight of the time to come, because they don't notice and remember the order, consequence, and dependence of the things they see.

The two first create anxiety. Being certain that there are causes for everything that has happened and everything that will happen, it is impossible for a man who continually tries to make himself safe against the evil he fears and to procure the good he desires not to be in a perpetual state of anxiety about the future. Thus, all men, and especially those who are exceptionally provident, are in a state like that of Prometheus (whose name means 'the prudent man'). He was tied down on the hill Caucasus, a place with a wide view, where an eagle fed on his liver, devouring each day as much as was repaired in the night. Similarly, a man who looks too far ahead in his concern for the future has his heart chewed away every day by fear of death, poverty, or some other calamity; and he has no rest, no relief from his anxiety, except in sleep.

In its ignorance of causes, being always in the \dot{Y} dark (so to speak), mankind carries with it this perpetual fear, which must have something as its object - ·that is, men must have something to be afraid *of*·. So when there is nothing to be \dot{Y} seen the only thing they can hold responsible for their good or bad luck is some \dot{Y} invisible power or agent. That may be what some of the old poets meant when they said that *the gods were at first created by human fear*, which is perfectly true when said about the many gods of the pagans. But the acknowledging of one God, eternal, infinite, and omnipotent, can more easily be traced to men's \dot{Y} desire to know the causes of natural bodies and ·of· their various powers and operations than to their \dot{Y} fear of what would happen to them in the future. For someone who sees something happen and reasons his way to its immediate cause, and then to the immediate cause of *that* ·and so on backwards·, plunging deep into the pursuit of causes, will eventually reach the conclusion that there must be (as even the heathen philosophers acknowledged) one *first mover* - that is, a first and eternal cause of all things - which is what men mean by the name 'God'. And he can go through all this with no thought of his own future good fortune, and with ·prompting from· that concern for his own future ·that tends to have two effects which jointly produce pagan-type religions. It· \dot{Y} inclines a man to be afraid, and it \dot{Y} hinders him from searching for the causes of other things; and ·through the workings of these two together it· leads to the inventing of as many gods as there are men who invent them. [The Latin version, in place of 'as even the heathen philosophers acknowledged', has 'with the sounder of the ancient philosophers', which Curley says is 'apparently a (rare) approving reference to Aristotle'.] ·I shall discuss four aspects of how humans relate to these supposed gods·.

·First·: What about \dot{Y} the *matter* or *substance* of these imagined invisible agents? Thinking about this in a **natural** way, men couldn't arrive at any idea except that it is the same as \dot{Y} the matter or substance of the soul of man; and that the soul of man is of the same substance as \dot{Y} what appears in a dream to someone asleep or in a mirror to someone awake. Not knowing that such appearances are nothing but creatures of the fancy, men think them to be real, and to be external substances, and so they call them 'ghosts'. The

Latins called them *imagines* [pictures] and *umbræ* [shadows], and thought them to be spirits, that is, thin airy bodies; and thought that the invisible agents which they so feared are like them except that *they* appear and vanish when they please. But the opinion that such spirits are *not* bodies, are *not* made of matter, could never enter into a human mind in a natural way, because although men can put together *words* of contradictory signification (such as ‘spirit’ and ‘incorporeal’), they can’t imagine anything corresponding to them; and so men who have thought their way through to the acknowledgment of one infinite, omnipotent, and eternal God, prefer Ψ admitting that he is incomprehensible and above their understanding to Ψ defining his nature by the phrase ‘incorporeal spirit’, without the authority of Scripture, and then admitting that their definition is unintelligible. Or if they give him such a title, it is offered not as dogma, intending to make the divine nature understood, but as a pious attempt to honour God with attributes whose meanings are as remote as possible from the grossness of visible bodies. [The Latin version explains why ‘spirit’ is inconsistent with ‘incorporeal’: ‘A spirit is determined by place and shape, i.e. by limits and some size of its own. Therefore it is a body, however rarefied and imperceptible.’]

·Second·: when it comes to thinking about *how* these invisible agents bring about their effects - what immediate causes they employ in making things happen - men who don’t know what causing *is* (and that’s almost everybody) have no other rule to guess by but this:

Observe ·the present event· and remember what you have seen to precede events like it on one or more previous occasions.

This doesn’t enable them to see any dependence or connection at all between the first event and the second one; so all they can do is to expect an event of a given kind to be followed by a second event like ones that have followed the first kind of event in the past. In a *superstitious* way they hope for good luck from things that have no part at all in causing it - ·such as the blunder of thinking that victory in a past battle was caused by the name of the general on the winning side·. That is what the Athenians did in their war at Lepanto, where they wanted another leader named Phormio; and the Pompeian faction for their war in Africa, who wanted to be led by another Scipio; and similar things have happened on various later occasions. Similarly, ·in a manner that is equally superstitious but also equally **natural**· they attribute their fortune to a bystander, to a lucky or unlucky place, to spoken words (especially if ‘God’ is one of them, as in charming and conjuring, the liturgy of witches), to the point where they believe ·that by uttering the right words· they can turn a stone into bread, bread into a man, or anything into anything.

Thirdly, the worship that men **naturally** show towards invisible powers can only consist in expressions of their reverence, of the kind they would use towards ·other· men: gifts, petitions, thanks, bowing down or kneeling, careful addresses, and other things of that kind. For bloody sacrifices are not a dictate of nature, since they were instituted in the beginning by commonwealths to support those performing the sacrifices. Nor does oath-taking seem to be natural worship, because there is no place for it outside the civil state. Natural reason doesn’t suggest other forms of worship besides those I have mentioned; it leaves anything beyond those to the laws of particular commonwealths.

·Fourthly and· lastly, concerning how these invisible powers tell men what is going to happen - especially concerning their good or bad luck in general, or success or failure in

any particular undertaking - men are **naturally** at a loss about this; except that they are very apt - judging the future by the past - not only \dot{Y} to take the outcomes of casual episodes that they have encountered only once or twice to be omens portending similar outcomes for similar episodes ever after, but also \dot{Y} to believe similar omens from other men of whom they have at some time had a good opinion.

In these four things - \dot{Y} belief in ghosts, \dot{Y} ignorance of second causes, \dot{Y} devotion towards what men fear, and \dot{Y} taking causal episodes to be omens - consists the **natural** seeds of religion. [By 'second causes' Hobbes means 'causes that also *had* causes', distinguished from uncaused original primary *first* cause.] Because of how men differ in their imaginations, judgments, and passions, these seeds have grown up into ceremonies that greatly differ from one another - so much so that ones approved by the law in one commonwealth are derided in another.

For these seeds have been cultivated by men of two sorts: \dot{Y} those who have nourished and developed the seeds through their own ingenuity; and \dot{Y} those who have done it by God's commandment and direction; but both sorts have done it intending to make their initiates more obedient to themselves. So \dot{Y} religion of the former sort is a part of *human politics*, and teaches part of the duty that earthly kings require of their subjects. And \dot{Y} religion of the latter sort is *divine politics*, and contains commands to men who have consented to be subjects in the kingdom of God. Of \dot{Y} the former sort were all the founders of commonwealths and the lawgivers of the pagans; of \dot{Y} the latter sort were Abraham, Moses, and our blessed Saviour, from whom the laws of the kingdom of God have come down to us.

As for the part of religion that consists in opinions about the nature of invisible powers, there is hardly anything that has a name that hasn't been looked up to by pagans, in one place or another, as a god or a devil, imagined by their poets as being animated, inhabited, or possessed by some spirit or other.

The unformed matter of the world was a god named 'Chaos'.

The heaven, the ocean, the planets, the fire, the earth, the winds, were all gods.

Men, women, a bird, a crocodile, a calf, a dog, a snake, an onion, and a leek have all been treated as gods. Besides that, the pagans filled almost all places with spirits called 'demons': the plains with Pan, and panises or satyrs; the woods, with fawns and nymphs; the sea with tritons and other nymphs; every river and fountain with a ghost bearing its name, and with nymphs; every house with its *lares* or household gods; every man with his genie; hell with ghosts and spiritual officials such as Charon, Cerberus, and the Furies; and in the night time they peopled all places with disembodied spirits, shades, ghosts of dead men, and a whole kingdom of fairies and hobgoblins. They have also treated as gods - and built temples to - mere *features and qualities*, such as time, night, day, peace, harmony, love, contention, virtue, honour, health, rust [lust?], fever, and the like. When the pagans prayed *for* or *against* night, harmony, contention, etc. they prayed *to* them, as though there were ghosts named 'Night', 'Harmony', 'Contention' etc, hanging over their heads, able to bring or withhold the good or evil in question. They invoked also their own wits, which they called 'Muses'; their own ignorance, by the name 'Fortune'; their own lust by the name 'Cupid'; their own rage by the name 'Furies'; their own private parts by the name of 'Priapus'; and attributed their wet dreams to Incubi and Succubi - to the point where there was nothing that a poet could introduce into his poem as a person which they didn't make into either a god or a devil.

The same authors of the religion of the pagans, taking note of the second ground for religion - namely, men's ignorance of causes, leading them to attribute their fortune to causes on which there was no evident dependence at all - took the opportunity to force onto their ignorance (instead of *second causes*, which is what they were ignorant about) *second gods*, taking Venus to be the cause of fecundity, Apollo the cause of arts, Mercury the cause of subtlety and craftiness, and Aelous the cause of tempests and storms, and assigning other effects to other gods; to the point where among the heathen there was almost as great a variety of gods as of occupations.

To the worship that men naturally thought fit to use towards their gods - namely offerings, prayers, thanks, and the others mentioned above - those same legislators of the pagans have

added portraits and sculptures of the gods, so that the more ignorant sort of people (that is to say, most people, the general run of people) would think that the depicted gods were really *in* - as it were, *housed in* - the pictures and statues, being led by this to stand in even greater fear of them.

The legislators also

endowed the gods with land, houses (called 'temples'), officers (called 'priests'), and revenues, set apart from all other human uses (that is, consecrated and made holy for their idols - as has happened with caverns, groves, woods, mountains, and whole islands).

They also

attributed to the gods not only the shapes of men (or in some cases of beasts or of monsters) but also the faculties and passions of men and beasts - such as sense, speech, sex, lust, procreation.

The legislators have had the gods

procreating not only by sexually uniting with one another (generating different kinds of god) but also by uniting gods with men and women (to generate mongrel gods and creatures that are not gods at all, but mere mortal inhabitants of heaven, such as Bacchus, Hercules, and others).

They have also

attributed to the gods anger, revenge, and other passions of living creatures, and the actions that come from those passions - such as fraud, theft, adultery, sodomy, and any vice that can be thought of as an effect of power or a cause of pleasure - and all the vices that are regarded in human societies as illegal rather than dishonourable.

Lastly, these same authors of the religion of the pagans have

added to the omens regarding the future - omens which are naturally mere conjectures based on past experience, and supernaturally are based on divine revelation. On the strength of claimed experience and claimed revelation, they have added countless other superstitious ways of divining the future, getting men to believe they could find what was in store for them.

Of the innumerable pointless devices they thought up for this purpose, here are some:

The ambiguous or senseless answers of the priests at Delphi, Delos, Ammon, and other famous oracles; answers that were deliberately made ambiguous by design, so that the oracle could be claimed to have been right, whatever happened; or they

were absurd, because of the intoxicating vapour of the place, which is very common in sulphurous caverns. ¶The pages of the Sibyls, of whose prophecies . . . there were some books that were held in respect at the time of the Roman republic. ¶The meaningless talk of madmen, who were supposed to be possessed with a divine spirit (this possession being known as ‘enthusiasm’). . . . ¶How the stars looked at the time of a person’s birth; this was called ‘horoscopy’, and was a respected part of judicial astrology. . . . ¶The predictions of witches, who claimed to be conferring with the dead; which is called ‘necromancy’, ‘conjuring’, and ‘witchcraft’, but is really just trickery and conspiracy to defraud. ¶How birds happen to fly, or to eat; known as ‘augury’. ¶The entrails of a sacrificed beast; which was ‘aruspicina’. ¶Dreams. ¶The the croaking of ravens, or chattering of other birds. ¶The features of a person’s face; which was called ‘metoposcopy’, or the lines of his hand (‘palmistry’). ¶Casual words, called ‘omina’. ¶Monsters, or unusual events such as eclipses, comets, rare atmospheric phenomena, earthquakes, floods, monstrous births, and the like; they called these ‘portenta’ and ‘ostenta’, because they thought them to portend or foreshow some great calamity to come. ¶Mere chance - tossing a coin, counting the holes in a sieve, choosing verses in Homer or Virgil at random.

That shows how easy it is to get men to believe anything that comes to them from people whom they have come to trust and who can with gentleness and dexterity take hold of their fear and ignorance.

So the first founders and legislators of commonwealths among the pagans, simply wanting to keep the people obedient and peaceful, have everywhere taken care of three things. (1) First, to imprint in their subjects’ minds the belief that ¶their commandments regarding religion were not of *their* making, but came from the dictates of some god or other spirit; or else ¶that they themselves were of a higher nature than mere mortals; either way so that their laws would be more easily accepted. Thus Numa Pompilius claimed to have received from the nymph Egeria the ceremonies he instituted among the Romans; the first king and founder of the kingdom of Peru claimed that he and his wife were children of the Sun; and Mahomet in setting up his new religion claimed to be in communication with the Holy Ghost in form of a dove. (2) Secondly, to get their subjects to believe that actions forbidden by the laws are displeasing to the gods. (3) Thirdly, to prescribe ceremonies, petitionary prayers, sacrifices, and festivals by which the people were to believe that the anger of the gods might be appeased; and they were also to believe that failure in war, plagues, earthquakes, and each man’s private misery all came from the gods’ anger, which in turn came from people’s neglect of their worship, or their forgetting or getting wrong some detail in the ceremonies required. And although among the ancient Romans men were not forbidden to deny what the poets had written about the pains and pleasures of the after-life, although indeed many very serious and authoritative people made speeches openly mocking all that, still belief was always more cherished than rejected.

Through these and other such institutions, the legislators brought it about that the common people in their misfortunes were less apt to mutiny against their rulers, because they attributed their troubles to neglect or error in their ceremonies, or on their own disobedience to the laws. (From the rulers’ point of view, what all this was *about* was

maintaining the peace of the commonwealth.) And being entertained with the pomp and pastime of festivals and public games conducted in honour of the gods, the people needed nothing else but bread to keep them from discontent, grumbling, and commotion against the state. That is why the Romans, who had conquered most of the then known world, had no hesitation in tolerating in the city of Rome itself any religion whatever, unless something in it conflicted with their civil government. The only religion we read of that was forbidden in Rome was that of the Jews, who thought it unlawful to submit themselves to any mortal king or state whatever (because they thought they belonged to the special kingdom of God). So you can see how the religion of the pagans was a part of Rome's system of government.

But where God himself planted religion by a supernatural revelation, *there* he also made for himself a special kingdom. And he gave laws, not only for behaviour towards himself but also for men's behaviour towards one another; so that in the kingdom of God the civil system of government and laws are a part of religion; so that in that kingdom the distinction between temporal and spiritual authority has no place. It is true that God is king of all the earth; still, he may be the king of a special chosen nation. There is no more incongruity in this than that in having a whole army commanded by a general who also has one special regiment or company of his own. God is king of all the earth by his power, and king of his chosen people by covenant [= 'agreement']. But a fuller discussion of the kingdom of God, both by nature and by covenant, I have reserved for chapter 31 and [not on this website:] chapter 35.

From the way religion grows and spreads, it isn't hard to understand how it has arisen from its first seeds or generators, which are simply the belief in a deity, in invisible powers, and in the supernatural. These seeds can never be so thoroughly wiped out of human nature that new religions won't grow from them if there are suitable gardeners.

·Here is the reason why new religions are bound to crop up from time to time·. All formal religions are initially founded on the faith that a multitude of people have in some one person, whom they believe not only to be a wise man, and to be working to make them happy, but also to be a holy man to whom God himself condescends to declare his will supernaturally. So it is inevitable that when those who govern a religion find that people have started to suspect either the wisdom of the founders, their sincerity, or their love, or that they (the governors) can't produce any plausible evidence of divine revelation, the religion they want to uphold must also be suspect, so that it can be contradicted and rejected without fear of civil penalties. ·I shall now give a paragraph to each of these four possible sources of the weakening of religious faith·.

What takes away the reputation of wisdom in someone who starts a religion, or who adds to it later on, is his telling people to believe contradictories; for both parts of a contradiction can't possibly be true; and therefore to tell someone to believe them both is evidence of ignorance. In showing that the speaker is ignorant, it discredits him in everything else he may offer as coming from supernatural revelation; for a man may indeed receive revelations of many things that are *above* natural reason, but not of anything that is *against* it.

What takes away the reputation of sincerity is the doing or saying of things that seem to show the speaker requiring other men to believe things that he doesn't believe himself. All such doings or sayings are therefore called 'scandalous' [from a Greek word meaning

‘snare to trip up an enemy’], because they are stumbling blocks that make men who are on the path of religion fall down. Examples of scandalous doings are injustice, cruelty, unholiness, greed, and luxury. If a man commonly does things that come from any of these roots, who can believe that he thinks he has to fear any such invisible power as he invokes to scare other men for lesser faults?

What takes away the reputation of \dot{Y} love is being found to have private goals; as when someone demands that others believe something which conduces or seems to conduce to the acquiring of power, riches, dignity, or secure pleasure only or mainly by *him*. For when a man does something that brings benefit to himself, he is thought to have acted for his own sake and not for the love of others.

Lastly, the only evidence men can give of their \dot{Y} divine calling is the operation of miracles, or true prophecy (which is just one kind of miracle), or extraordinary happiness. It can happen that to the articles of religion that have been accepted from someone who did such miracles, further articles are added by people who don’t prove their calling by miracles. In such a case, the latter get no more belief than what comes from the custom and laws of the place in question - i.e. what comes from education. For just as in natural things men of judgment require natural signs and evidences, so in supernatural things they require supernatural signs (which are miracles) before they consent inwardly and from their hearts.

All these causes of the weakening of men’s faith appear plainly in the following examples. \dot{Y} First, Moses proved his calling to the children of Israel by miracles, and by successfully leading them out of Egypt; yet when he was absent from them for a mere 40 days, the people revolted from the worship of the true God that he had recommended to them, and set up a golden calf as their god, relapsing into the idolatry of the Egyptians from whom they had so recently been delivered (*Exodus* 32:1-2). \dot{Y} And again, after Moses, Aaron, Joshua, and the whole generation that had seen the great works of God in Israel, were dead, another generation arose and served Baal (*Judges* 2:11) . Thus, when miracles failed, so did faith.

\dot{Y} The sons of Samuel were made judges in Bersabee by their father; when they took bribes and judged unjustly, the people of Israel refused to have God as their king any more, except in the way in which he was the king of other peoples; and so cried out to Samuel to choose someone to be their king in the way that ordinary nations have kings (1 *Samuel* 8:3). So that when justice failed, so did faith - so much so that the people deposed their God from reigning over them.

\dot{Y} With the planting of the Christian religion, the pagan oracles ceased in all parts of the Roman empire, and the number of Christians increased amazingly every day, and in every place, through the preaching of the Apostles and the Evangelists. But much of that success can reasonably be attributed to the contempt into which the pagan priests had brought themselves through their uncleanness, greed, and manipulative relations with princes. \dot{Y} And the religion of the church of Rome was abolished in England and many other parts of the Christian world, partly for the same reason (the failure of virtue in the clergy made faith fail in the people), though also partly for a different reason - namely the schoolmen’s bringing the philosophy and doctrine of Aristotle into religion. From this there arose so many contradictions and absurdities that the clergy acquired a reputation for ignorance and for fraudulent intentions; and this inclined people to turn away from

them, either against the will of their own princes (as in France and Holland) or with their will (as in England).

¶ Lastly, among the articles of faith that the church of Rome declared to be necessary for salvation there are so many that are obviously to the advantage of the Pope, and of his spiritual subjects [meaning: priests, bishops, and cardinals] living in the domains of other Christian princes, that if it weren't for the rivalries *among* those princes they could peacefully have rejected all foreign [here = 'Roman catholic'] authority, just as easily as it was rejected in England. For anyone can see to whose benefit it conduces to have it believed ¶ that a king doesn't have his authority from Christ unless a bishop crowns him, ¶ that if a king is a priest he can't marry, ¶ that whether a prince is born in lawful marriage must be decided by an authority in Rome, ¶ that subjects can be freed from allegiance to their king if a court in Rome judges him to be a heretic, ¶ that a king may be deposed by a pope for no reason (as Pope Zachary deposed King Chilperic of France), and his kingdom given to one of his subjects, ¶ that the clergy and members of religious orders in any country at all are exempt from the jurisdiction of their king in criminal cases. And anyone can see who profits from the fees for private masses, and the money paid to shorten someone's time in purgatory. There are also other signs of private interests - enough of them to drain the life out of the most lively faith, if the law of the land and custom were not doing more to hold it up than is done by any opinion the faithful have about the sanctity, wisdom, or honesty of their teachers! So I can attribute all the changes of religion in the world to the very same single cause, namely *unpleasing priests* - not only among Catholics but even in the church that has most presumptuously claimed to be reformed. [Curley suggests that this is aimed at the Presbyterians,]

Chapter 13. The natural condition of mankind as concerning their happiness and misery

Nature has made men so equal in their physical and mental capacities that, although sometimes we may find one man who is obviously stronger in body or quicker of mind than another, yet taking all in all the difference between one and another is not so great that one man can claim to have any advantage ·of strength or skill or the like· that can't just as well be claimed by some others. As for ¶ strength of body: the weakest man is strong enough to kill the strongest, either by a secret plot or by an alliance with others who are in the same danger that he is in.

As for ¶ the faculties of the mind: I find that men are even more equal in these than they are in bodily strength. (In this discussion I set aside skills based on words, and especially the skill - known as 'science' - of being guided by general and infallible rules. Very few people have this, and even they don't have it with respect to many things. I am setting it aside because it isn't a natural faculty that we are born with, nor is it something that we acquire - as we acquire prudence - while looking for something else.) Prudence is simply experience; and men will get an equal amount of *that* in an equal period of time spent on things that they equally apply themselves to. What may make such equality incredible is really just one's vain sense of one's own wisdom, which ¶ most men think they have more of than the common herd - that is, more than anyone else except for a few others whom they value because of their fame or because their agreement with ¶ them. It's just a fact about human nature that however much a man may acknowledge many others

to be more *W*itty, or more *V*eloquent, or more *V*learned than he is, he won't easily believe that many men are as *W*ise as he is; for he sees his own wisdom close up, and other men's at a distance. This, however, shows the equality of men rather than their inequality. For ordinarily there is no greater sign that something is equally distributed than that every man is contented with his share!

·Distrust·: This equality of ability produces equality of hope for the attaining of our goals. So if any two men want a single thing which they can't both enjoy, they become enemies; and each of them on the way to his goal (which is principally his own survival, though sometimes merely his delight) tries to destroy or subdue the other. And so it comes about that when someone has through farming and building come to possess a pleasant estate, if an invader would have nothing to fear but that one man's individual power, there will probably *be* an invader - someone who comes with united forces to deprive him not only of the fruit of his labour but also of his life or liberty. And the *·successful·* invader will then be in similar danger from someone else.

·Competition·: Because of this distrust amongst men, the most reasonable way for any man to make himself safe is to *strike first*, that is, by force or cunning subdue other men - as many of them as he can, until he sees no other power great enough to endanger him. This is no more than what he needs for his own survival, and is generally allowed. *·And it goes further than you might think·*. Some people take pleasure in contemplating their own power in the acts of conquest, pursuing them further than their security requires, *·and this increases the security needs of others·*. People who would otherwise be glad to be at ease within modest bounds have to increase their power by further invasions, because without that, in a purely defensive posture, they wouldn't be able to survive for long. This increase in a man's power over others ought to be allowed to him, as it is necessary to his survival.

·Glory·: Every man wants his associates to value him as highly as he values himself; and any sign that he is disregarded or undervalued naturally leads a man to try, as far as he dares, to raise his value in the eyes of others. For those who have disregarded him, he does this by violence; for others, by example. I say 'as far as he dares'; but when there is no common power to keep them at peace, 'as far as he dares' is far enough to make them destroy each other. That is why men don't get pleasure (and indeed do get much grief) from being in the company of other men without there being a power that can over-awe them all.

So that in the nature of man, we find three principal causes of discord. First *W*competition, secondly *V*distrust, thirdly *V*glory.

The first makes men invade for *V*gain; the second for *V*safety; and the third for *V*reputation. The first use violence to make themselves masters of other men's persons, wives, children, and cattle; the second use it to defend them-selves and their families and property; the third use it for trifles - a word, a smile, a different opinion, and any other sign of a low regard for them personally, if not directly then obliquely through a disrespectful attitude to their family, their friends, their nation, their profession, or their name.

This makes it obvious that for as long as men live without a common power to keep them all in awe, they are in the condition known as 'war'; and it is a war of every man against every man. For WAR doesn't consist just in *V*battle or the act of fighting, but in *V*a period of time during which it is well enough known that people are willing to join in

battle. So the temporal element in the notion of 'when there is war' is like the temporal element in 'when there is bad weather'. What constitutes bad weather is not a rain-shower or two but an inclination to rain through many days together; similarly, what constitutes war is not actual fighting but a known disposition to fight during a time when there is no assurance to the contrary. All other time is PEACE.

Therefore, whatever results from \forall a time of war, when every man is enemy to every man, also results from \forall a time when men live with no other security but what their own strength and ingenuity provides them with. In such conditions there is

no place for hard work, because there is no assurance that it will yield results; and consequently no cultivation of the earth, no navigation or use of materials that can be imported by sea, no construction of large buildings, no machines for moving things that require much force, no knowledge of the face of the earth, no account of time, no practical skills, no literature or scholarship, no society; and - worst of all - continual fear and danger of violent death, and the life of man solitary, poor, nasty, brutish, and short.

It may seem strange to you, if you haven't thought hard about these things, that nature should thus separate men from one another and make them apt to invade and destroy one another. So perhaps you won't trust my derivation of this account from the nature of the passions, and will want to have the account confirmed by experience. Well, then, think about how *you* behave: when going on a journey, you arm yourself, and try not to go alone; when going to sleep, you lock your doors; even inside your own house you lock your chests; and you do all this when you know that there are laws, and armed public officers of the law, to revenge any harms that are done to you. Ask yourself: what opinion do you have of your fellow subjects when you ride armed? Of your fellow citizens when you lock your doors? Of your children and servants when you lock your chests? In all this, don't you accuse mankind as much by your actions as I do by my words? Actually, neither of us is criticising man's nature. The desires and other passions of men aren't sinful in themselves. Nor are actions that come from those passions, until those who act know a law that forbids them; they can't know this until laws are made; and they can't be made until men agree on the person who is to make them. But why try to demonstrate to learned men something that is known even to dogs who bark at visitors - sometimes indeed only at strangers but in the night at everyone?

It may be thought that there has never been such a time, such a condition of war as this; and I believe it was never generally like this all over the world. Still, there are many places where people live like that even now. For the savage people in many parts of America have no government at all except for the government of small families, whose harmony depends on natural lust. Those savages live right now in the brutish manner I have described. Anyway, we can see what way of life there *would be* if there *were* no common power to fear, from the degenerate way of life into which civil war has led men who had formerly lived under a peaceful government.

Even if there had never been *any* time at which \forall individual men were in a state of war one against another, this is how \forall kings, and persons of sovereign authority relate to one another at *all* times. Because of their independence from one another, they are in continual mutual jealousies. Like gladiators, with their \forall weapons pointing and their \forall eyes fixed on one another, sovereigns have \forall forts, garrisons, and guns on the frontiers of their

kingdoms, and permanent spies on their neighbours - this is a posture of war, as much as the gladiators' is. But because in this the sovereigns uphold the economy of their nations, *their* state of war doesn't lead to the sort of misery that occurs when *individual men* are at liberty from laws and government.

In this war of every man against every man nothing can be unjust. The notions of right and wrong, justice and injustice have no place there. Where there is no common power, there is no law; and where there is no law, there is no injustice. In war the two chief virtues are force and fraud. Justice and injustice are not among the faculties [here = 'natural capacities'] of the body or of the mind. If they were, they could be in a man who was alone in the world, as his senses and passions can. They are qualities that relate to men in society, not in solitude. A further fact about the state of war of every man against every man: in it there is no such thing as ownership, no legal control, no distinction between *mine* and *thine*. Rather, anything that a man can get is his for as long as he can keep it.

So much for the poor condition that man is actually placed in by mere nature; but as I now go on to explain, he can extricate himself from it, partly through his passions, partly through his reason.

The passions that incline men to peace are fear of death, desire for things that are necessary for comfortable living, and a hope to obtain these by hard work. And reason suggests convenient items in a peace treaty that men may be got to agree on. These items are the ones that in other contexts are called the Laws of Nature. I shall have more to say about them in the two following chapters.

Chapter 14. The first and second natural laws, and contracts

The RIGHT OF NATURE, which writers commonly call *jus naturale*, is the liberty that each man has to make his own decisions about how to use his own power for the preservation of his own nature - i.e. his own life - and consequently the liberty of doing anything that he thinks is the aptest means to that end. [The Latin phrase *jus naturale* standardly meant 'natural law'; but *jus* could mean 'right', and Hobbes is clearly taking the phrase to mean 'natural right'.]

The proper meaning of LIBERTY is the absence of external obstacles. Such obstacles can often take away part of a man's power to do what he wants, but they can't get in the way of his using his remaining power in obedience to his judgment and reason.

A LAW OF NATURE (*lex naturalis*) is a command or general rule, discovered by reason, which forbids a man to do anything that is destructive of his life or takes away his means for preserving his life, and forbids him to omit anything by which he thinks his life can best be preserved. For although those who speak of this subject commonly run together right and law (*jus* and *lex*), they ought to be distinguished. RIGHT consists in the liberty to do or not do as one chooses, whereas LAW picks on one of them - either doing or not doing - and commands it. So law differs from right as much as obligation differs from liberty - which are so different that it would be *inconsistent* to suppose that a person had both liberty and an obligation in respect of the same action.

As I said in chapter 13, the condition of man is a condition of war of everyone against everyone, so that everyone is governed by *his own* reason and can make use of anything he likes that might help him to preserve his life against his enemies. From this it follows

that in such a condition every man has a right to everything - even to someone else's body. As long as this continues, therefore - that is, as long as every man continues to have this natural right to everything - no man, however strong or clever he may be, can be sure of living out the time that nature ordinarily allows men to live. And consequently it is a command or general rule of reason that every man ought to seek peace, as far as he has any hope of obtaining it; and that when he can't obtain it he may seek and use all helps and advantages of war. The first branch of this rule contains the first *law* of nature - the fundamental one - which is this:

First law of nature: Seek peace and follow it.

The second branch contains in summary form the *right* of nature, which is the right to defend ourselves by any means we can.

From this fundamental law of nature, by which men are commanded to seek peace, is derived this second law:

Second law of nature: When a man thinks that peace and self-defence require it, he should be willing (when others are too) to lay down his right to everything, and should be contented with as much liberty against other men as he would allow other men against himself.

For as long as every man maintains his right to do anything he likes, all men are in the condition of war. But if other men won't also lay down *their* right, there is no reason for him to divest himself of *his*; for if he alone gave up his rights that would be to expose himself to predators (which no man is obliged to do) rather than to dispose himself to peace. This is the law of the Gospel:

Whatever you require others to do to you, do it to them.

And this law of all men:

Quod tibi fieri non vis, alteri ne feceris - Don't do to others what you don't want done to you.

[In the interests of clarity, the next paragraph is written in terms of 'I and 'you', replacing Hobbes's 'a man' and 'another'.]

For me to lay down my right to something is for me to deprive myself of the liberty of blocking you (for instance) from getting the benefit of *your* right to the same thing. In renouncing or giving up my right I don't give anyone else a right that he didn't previously have, because every man has a right by nature to *everything*. All I do in renouncing my own right is to stand out of your way, so that you can enjoy your own original right without interference from me; but you may still be impeded by some third person. Thus, the effect on you of my lacking a certain right is just a lessening of hindrances to your exercise of your original right.

A man can lay aside a right either by simply renouncing it or by transferring it to someone else. He RENOUNCES it when he doesn't care who gets the benefit. He TRANSFERS it when he intends the benefit to go to some particular person or persons. And when a man has deprived himself of a right in either of those ways - abandoning it or giving it away - he is said to be OBLIGED or BOUND not to hinder those to whom such right is given or abandoned from having the benefit of it; and it is said that he ought, and that it is his DUTY, not to deprive that voluntary act of his of its effectiveness; and if he does so, that hindrance is what we call INJUSTICE and INJURY. [The word 'injury' comes from 'in-' as a negater and *jure* which is Latin for 'right'. Hobbes gives this

explanation in compact form.] So that injury or injustice in the controversies of the world is a little like absurdity in the disputations of scholars. For as scholars call it 'absurdity' to contradict what one maintained at the outset, so in the world it is called 'injustice' and 'injury' voluntarily to undo something that one had voluntarily done at the outset. *How* a man either renounces or transfers a right is by a declaration or indication - using some voluntary and sufficient sign or signs - that he does or did renounce or transfer the right to the person who accepts it. And these signs are either words only, or actions only, or (as most often happens) both words and actions. Those words and/or actions are the BONDS by which men are bound and obliged: bonds whose strength comes not from their own nature (for nothing is more easily broken than a man's word) but from fear of some evil consequence of their being broken.

Whenever a man transfers or renounces a right, he does so either in consideration of some right reciprocally transferred to himself or for some other good he hopes to get from what he is doing. For it is a voluntary act, and the goal of the voluntary acts of every man is some good to himself. It follows that there are some rights that no man can be taken to have abandoned or transferred, no matter what words or other signs he uses. First and foremost: a man cannot lay down the right of resisting those who bring force against him to take away his life, because he couldn't be understood to be doing that with the aim of getting some good for himself. The same may be said of wounds, and chains, and imprisonment; both because there is no benefit to be got from putting up with such things, as there is or may be to be got from allowing *someone else* to be wounded or imprisoned: as also because when a man sees others coming against him by violence, he can't tell whether they intend his death or not. There is also a third reason. Lastly, the *point* of the procedure of renouncing and transferring rights - the motive and purpose for which it exists - is simply to preserve a man's security in his person, in his life, and in his means for preserving his life in a manner that won't make him weary of it. So if a man by words or other signs seems to deprive himself of the very thing for which those signs were intended, he should not be understood to have meant it; rather, we should take it that he was ignorant of how such words and actions ought to be interpreted.

The mutual transferring of a right is what men call a CONTRACT.

Transferring a *right to a thing* is different from transferring or delivering *the thing itself*. The two can happen together. For a thing may be delivered along with the transfer of the right to it, as in buying and selling with cash, or exchanging goods or lands. But they can be separated, and the thing may be delivered some time after the right to it has been transferred.

Something else that can happen is this. One of the contractors [= 'parties to the contract'] may do his part by delivering the thing contracted, leaving it to the other contractor to do *his* part at some specified later time, trusting him in the meantime. In such a case, the contract on the latter person's side is called a PACT or COVENANT. Or it can happen that both parties contract now to do something later. In such a case, when someone who has been trusted to perform at a later time *does* perform, this is called 'keeping a promise' or 'keeping faith'; and if he fails to perform, and his failure is voluntary, it is called 'violation of faith'.

When the transferring of a right is not two-sided, but one of the parties transfers a right in the *hope* that this will bring him friendship or service from someone else, or will

get him a reputation for charity or magnanimity, or will bring him a reward in heaven, or when he does it so as free his mind from the pain of compassion (·e.g. giving money to a beggar so as to relieve one's oppressive feeling of pity for him·), this is not a contract but a GIFT, FREE-GIFT, GRACE - all of which mean the same thing.

Contracts are expressed either explicitly or by inference. Explicitly when words are spoken with understanding of what they mean, and they speak of either the present or the past ('I give', 'I grant', 'I have given', 'I have granted', 'I will that this be yours') or the future ('I will give', 'I will grant') - the words concerning the future are called PROMISE.

Signs by inference involve drawing a conclusion from words, from silence, from actions, or from non-actions. Quite generally, a sign by inference of a contract can be anything at all that sufficiently shows what the will of the contractor is.

Words alone, if they concern the future and contain a bare promise, are not an adequate sign of a free-gift and therefore do not create obligations. For if they concern the time to come - as with 'Tomorrow I will give . . .' - they are a sign that I haven't given yet, and consequently that my right has not been transferred and remains mine until I transfer it by some further act. But if the words concern the present or past - as with 'I have given . . .' or 'I now give to be delivered tomorrow . . .' - then my *tomorrow's* right is given away *today*; and the mere words have brought that about, even if there is no other evidence of what I will. And there is a great difference in meaning between 'I now will that this be yours tomorrow' and 'I will give you this tomorrow'. In the former, the word 'will,' signifies a *present* act of the will (·something like 'I now hereby order that this be yours tomorrow·); but in the latter, 'will' signifies a promise of a *future* act of the will; and so the former words, being of the present, transfer a future right, whereas the latter, concerning the future, transfer nothing. But if there are other signs of the person's will to transfer a right, besides words, then even if the gift is free the right can be understood to be transferred by words about the future. For example, if a man offers a prize to whomever wins a certain race, the gift is free; but although his words ·in offering the prize· concern the future, the right is transferred; for if he didn't want his words be understood in that manner he shouldn't have uttered them.

In contracts ·as distinct from free gifts·, the right is transferred not only when the words concern the present or past, but also when they concern the future. That is because every contract is a two-way transfer, an exchange of rights; so someone who promises just because he has already received the benefit for which he is giving the promise, should be understood intending the right to be transferred ·at the time of the promise·; for unless he had been willing to have his words understood in that way, the other ·party to the contract· would not have performed his part first. That is why in buying and selling and other acts of contract a promise is equivalent to a covenant, and is therefore binding.

He who performs first in the case of a contract is said to MERIT whatever it is that he is to receive through the performance of the other party; and he has it as his *due*. Also when a prize is offered to many, to be given to the one of them who wins ·some contest·, or when money is thrown into a crowd to be enjoyed by those who catch it, this is a free gift, and yet to win the prize or to catch the money is to *merit* it and to have it as one's DUE. For the right is transferred in the act of offering the prize or throwing the money, even though the decision about *whom* it is transferred to is made only by the outcome of the contest or the scramble.

Between these two sorts of merit there is this difference: ¶In a contract I merit by virtue of my own power and the ·other· contractor's need; but ¶In the case of a free gift it is only the giver's kindness that enables me to merit anything. ¶In contract, I merit at the contractor's hand that he should part with his right; ¶In the case of gift, I don't merit that the giver should part with his right, but only that when he has parted with it it should be mine rather than someone else's. I think this is the meaning of the distinction they make in the Schools between *meritum congrui* and *meritum condigni* [Latin = roughly 'what you deserve because you have obeyed the rules' and 'what you deserve because of your own intrinsic worth'.] God almighty has promised Paradise to any men (blinded ·though they are· by carnal desires) who can walk through this world according to the commands and limits prescribed by him. And the Schoolmen say that someone who does this will merit Paradise *ex congruo* (·that is, in the first way·). But no man can demand a right to Paradise on the grounds of his own righteousness, or of any other power in himself, . . . and they express this by saying that no man can merit Paradise *ex condigno* (·that is, in the second way·). I repeat: I *think* this is the meaning of that distinction; but because disputers don't agree on the meanings of their own technical terms for any longer than it suits them to, I shan't affirm anything about what they mean. I say just this: when a gift is given indefinitely as a prize to be contended for, he that wins ·the contest· merits the prize and may claim it as his due.

What if a covenant is made in which the parties do not perform now, but trust one another ·to perform at an appropriate time in the future·? ¶If this happens in the condition of mere nature (which is war of every man against every man), the contract is void if one of the parties has a reasonable suspicion ·that the other is not going to perform·. For the one who performs first has no assurance that the other will perform later, because the bonds of words are too weak to rein in men's ambition, greed, anger, and other passions - unless there is something to be feared from some coercive power; and in the condition of mere nature, where all men are equal and are judges of the reasonableness of their own fears, there can't possibly be such a power. So he who performs first merely betrays himself to his enemy, which is contrary to his right (which he can never abandon) to defend his life and his means of living.

On the other hand, ¶If there is a common power set over both parties to the contract, with right and force sufficient to compel performance, the contract is not made void by the suspicions of one of the parties·. In a civil estate, where there is a power set up to constrain those who would otherwise violate their faith, that fear - ·namely, the suspicion that the other party will not perform - is no longer reasonable; and so he who has covenanted to perform first is obliged so to do.

For someone's fear ·or suspicion· to make such a covenant invalid, it must arise from something that happened after the covenant was made - perhaps some new act or other sign of the other party's planning not to perform. Otherwise it can't make the covenant void; for something that didn't hinder a man from promising oughtn't to count as a hindrance to his performing.

He who transfers a right transfers - as far as he is able to - the means of enjoying it. For example, someone who sells land is understood to be transferring also everything that is growing on it; and someone who sells a mill can't divert the stream that drives it. And those who give to a man the right to govern them as sovereign are understood to give him

the right to impose taxes to maintain soldiers, and to appoint magistrates for the administration of justice.

It is impossible to make covenants with brute beasts, because they don't understand our speech, and so don't understand or accept any transfer of rights, and can't themselves make any such transfer; and where there is no acceptance on both sides there is no covenant.

It is impossible to make a covenant with God except through mediators to whom God speaks (either by supernatural revelation or by his lieutenants who govern under him and in his name); for without such mediation we don't know whether our covenants have been accepted or not. And therefore those who vow anything to God that is ∇ contrary to any law of nature vow in vain, because it is unjust to keep to such a vow. And if it is something ∇ commanded by the law of nature, the vow is pointless because what binds then is not the vow but the law.

When someone covenants to do something, *what* he covenants to do is always something he can deliberate about (for covenanting is an act of the will, i.e. an act - indeed the last act - of deliberation); so it is always understood to be something in the future that it is possible for him to perform.

Therefore, to promise to do something that is known to be impossible is not to covenant. But if something turned out later to be impossible but was at first thought possible, the covenant is valid and binding. It doesn't -of course- bind the person to do the thing itself, but it does bind him to -do something equal to- the value -of what he promised to do-; or, if that is also impossible, to try without pretence to perform as much as is possible -of what he promised to do-; for no man can be obliged to do more than that.

Men are freed from their covenants in two ways: ∇ by performing, and ∇ by being forgiven, -as one may forgive a debt-. For ∇ performance naturally brings obligation to an end, and ∇ forgiveness restores liberty, because it hands back the right in which the obligation consisted.

Covenants entered into by fear in the raw condition of nature are binding. For example, if I covenant with an enemy to pay a ransom or do a service in return for my life, I am bound by it. For it is a contract in which one party receives the benefit of life, while the other receives money or service in return; and consequently the covenant is valid unless some other law forbids the performance, which is not the case in the raw condition of nature . Therefore prisoners of war who are trusted to secure the payment of their ransom are obliged to pay it; and if a weaker prince make a disadvantageous peace with a stronger one, out of fear, he is bound to keep it - unless (as I said earlier) the war is renewed by some new and just cause of fear. And even in commonwealths (-as distinct from the condition of nature-) if I am forced to rescue myself from a thief by promising him money, I am bound to pay it until the civil law clears me of that obligation. For anything that I can lawfully do without obligation I can lawfully covenant to do through fear; and what I lawfully covenant I cannot lawfully break.

An earlier covenant makes void a later one. For a man who gave his right to one man yesterday doesn't *have* it to give to someone else today; so the later promise doesn't transfer any right, and is null.

A covenant not to defend myself from force by force is *always* void. The reason for this is something I explained earlier. The avoidance of death, wounds, and imprisonment is

the only purpose for laying down any right; so nobody can transfer or give up his right to save himself from death, wounds, and imprisonment; and so a promise not to resist force doesn't transfer any right and is not binding. A man can make this covenant:

Unless I do such and such, kill me;

but he cannot make this one:

Unless I do such and such, I won't resist you when you come to kill me.

For man by nature chooses the lesser evil, which is the danger of death from resisting, rather than the greater, which is certain and present death from not resisting. Everyone accepts this, as is shown by their leading criminals to execution or to prison with armed guards, despite the fact that the criminals have consented to the law under which they are condemned.

A covenant to accuse oneself, without assurance of pardon, is likewise invalid. For in the condition of nature where every man is a judge, there is no place for accusation, so the question doesn't arise there; and in the civil state the accusation is followed by punishment, and because that is *force* a man is not obliged give in to it. The same is also true of the accusation of those whose condemnation would put a man into misery and who are presumed to be strongly well-disposed towards him (such as a father, wife, or benefactor). For if the testimony of such an accuser is not willingly given, it is presumed to be corrupted by nature, and therefore not to be believed; and where a man's testimony is not to be credited, he is not bound to give it. Also accusations made under torture should not be regarded as testimonies. For torture should be used only as a way of getting ideas and leads for the further search for truth; and what is said under torture tends to the ease of the person being tortured, not to the informing of the torturers; and so it ought not to be accepted as a sufficient testimony; for whether the accusations through which he relieves his own situation are true or false, in bringing them he is exercising his right to preserve his own life.

The force of words is (as I remarked earlier) too weak to hold men to the performance of their covenants, and man's nature provides only two conceivable ways of strengthening it. Those are \checkmark fear of the consequence of breaking their word, or \checkmark glory or pride in appearing not to need to break it. This latter is a \checkmark grandness of conduct too rarely found to be relied on, especially in those who pursue wealth, power, or sensual pleasure - who are the greatest part of mankind! The passion to be relied on is \checkmark fear, which may be of either of two very general objects - the power of invisible spirits, and the power of men who will be offended if the covenant is broken. Invisible spirits have the *greater power*, yet the fear of the power of men is commonly the *greater fear*. Each man's \checkmark fear of invisible spirits is his own religion, which has a place in the nature of man before civil society. The \checkmark fear of men's power does not have such a place in human nature independently of civil society, or at least not enough of a place to make men keep men their promises; because in the raw condition of nature the inequality of power is evident only in the outcome of battle.

So that before the time of civil society, or in the interruption of it by war, the only thing that can strengthen a covenant of agreed-on peace - to withstand the temptations of avarice, ambition, lust, or other strong desires - is the fear of that \checkmark invisible power which everyone \checkmark worships as God and \checkmark fears as a revenger of his treachery. Therefore, all that can be done between two men who are not subject to civil power is for each to get the

other to swear by the God whom he fears. This swearing, or OATH, is a form of speech, added to a promise, by which the person who promises indicates that if he fails to keep his promise he renounces the mercy of his God, or calls on God for vengeance on himself. Such was the heathen form *Otherwise let Jupiter kill me, as I kill this beast*. Our form also, when we say *I shall do such and such, so help me God*. This is accompanied by the rites and ceremonies that each person uses in his own religion, so as to increase the fear of the divine consequences of breaking faith.

From this it appears that an oath taken according to any form or rite that the oath-taker doesn't believe in is pointless, and not a real oath; and that there is no swearing by anything that the swearer thinks is not God. Men have sometimes been accustomed to swear by their kings, out of fear or flattery, but they meant it to be understood that in taking such an oath they were attributing divine honour to their king. Swearing unnecessarily by God is just profaning his name, and swearing by other things, as men do in ordinary talk, is not swearing at all, but merely an impious custom that has arisen from unduly emphatic ways of talking.

It is also apparent that the oath adds nothing to the obligation. If a covenant is lawful, it binds in the sight of God without an oath as much as with one; and if it is unlawful, it doesn't bind at all even if it has been confirmed with an oath.

Chapter 15. Other laws of nature

From the second law of nature, which obliges us to transfer to someone else any rights of ours the retention of which would hinder the peace of mankind, there follows a third:

Third law of nature: Men should perform the covenants they make.

Without this, covenants are useless, are mere empty words, and all men retain the right to all things so that we are still in the condition of war.

This third law of nature is the source of JUSTICE. When no covenant has been made, no right has been transferred, so every man has a right to everything, so no action can be unjust. But when a covenant is made, to break it is unjust; and the definition of INJUSTICE is simply the non-performance of a covenant. And whatever is not unjust is just.

As I said in chapter 14, covenants of mutual trust are invalid when one part fears that the other party will not perform. Although the origin of justice is the making of covenants, there can't be any actual injustice until the reason for such fear be taken away, which can't be done while men are in the natural condition of war. So the labels 'just' and 'unjust' can have application only when there is some coercive power to compel all men equally to perform their covenants, through the terror of some punishment greater than the benefit they expect from the breach of their covenant, and thereby to make good any property that men acquire through mutual contract in recompense for the universal right they abandon. And there is no such power before the creation of a commonwealth.

This can also be gathered from the ordinary definition of *justice* in the Schools; for they say that *justice is the steady willingness to give every man his own*. Where there is no *own* - that is, no property - there is no injustice, and where no coercive power has been set up - that is, where there is no commonwealth - there is no property (all men having a right to all things); therefore where there is no commonwealth, nothing is unjust. So that justice consists in the keeping of valid covenants; but the validity of covenants begins only with

the setting up of a civil power sufficient to compel men to keep them; and that is when *property* is also begins.

[In the background of the next paragraph is the start of Psalm 53: 'The fool hath said in his heart, There is no God.' The Hebrew word translated by 'fool' implies moral rather than intellectual deficiency.]

The fool has said in his heart, *There is no such thing as justice*, sometimes even saying it aloud. He has seriously maintained that

since every man is in charge of his own survival and welfare, there could be no reason for any man not to do anything that he thought would conduce to that end; so that making or not making covenants, keeping them or breaking them, is not against reason if it conduces to one's benefit.

He isn't denying that there *are* covenants, that they *are* sometimes broken and sometimes kept, and that breaches of them may be called 'injustice' and the observance of them 'justice'. But he is suggesting that injustice may sometimes have on its side the reason that dictates to every man his own good, especially when the injustice conduces to a benefit that will enable the man to disregard not only men's dispraise and curses but also their power. (He doesn't maintain this when the fear of God comes into the story, but this same 'fool' has said in his heart there is no God.)

·In *Matthew* 11:12 we find: 'And from the days of John the Baptist until now, the kingdom of heaven suffers violence, and the violent take it by force.' The fool echoes this in what he says next, though of course his real topic is not the kingdom *of God* (in which he doesn't believe) but rather earthly kingdoms·:

The kingdom of God is achieved by violence; but what if it could be achieved by unjust violence? Would it be against right reason to achieve it in that way, when it is impossible to be hurt by doing so? And if it is not against reason, it is not against justice. If you deny this, you break the link between acting justly and producing good.

From such reasoning as this, successful wickedness has come to be called 'virtue'; and some people who have disallowed the breaking of promises in all other things have nevertheless allowed it when it is for the getting of a kingdom. The heathen who believed that Saturn was deposed by his son Jupiter still believed that Jupiter - that same Jupiter - was the avenger of injustice. This is a little like a piece of law in Coke's Commentaries on *Littleton*, where he says that if the rightful heir to the crown is convicted of treason, the crown shall nevertheless come down to him ·on the death of the present king·, and at that instant his conviction will be void. From these instances (·Jupiter and Coke·) one may be apt to infer that

when the heir apparent of a kingdom kills him who has the throne, even if it is his father, you may call it 'injustice' or anything else you like; but it can't be against reason, seeing that any man's voluntary actions *all* tend to his own benefit, and those actions are most reasonable that conduce most to one's own ends.

This reasoning, though plausible, is nevertheless false.

For this is not a question about mutual promises in the natural condition of men where there is no security of performance on either side - e.g. when there is no civil power governing the people making the promises - for *those* promises are not covenants. Our question is rather this: where one of the parties has performed already, or where there is a

power to make him perform, is it against reason for the other party to fail to perform *his* part? I say he acts against reason and most imprudently. My case for this has two parts. When a man does something that tends to his own destruction, so far as one can tell in advance, even if some chance event that he couldn't have expected makes it turn out to his benefit, *that* doesn't make his original action reasonably or wisely done. Secondly, in the natural condition where every man is an enemy to every other man, no-one can live securely without the aid of allies. But who, except by ignorance, will admit into society (which one enters by mutual covenants for the defence of individual members) a man who thinks it rational to break covenants? Who, except through ignorance, will retain him if he has been admitted? So either he will be thrown out of society, and perish, or he will owe his not being thrown out to the ignorance of others who cannot see the danger of their error; and a man cannot reasonably count on such errors by others as the means to his security. Either way, then, what he does is contrary to right reason.

Let us follow this up considering separately the two kinds of kingdom, heavenly and earthly. As regards the idea of gaining the secure and perpetual happiness of heaven by unjust means: this is frivolous, for there is only one means imaginable, and that is by not breaking but keeping covenants.

As for the other prospect, namely attaining sovereignty of an earthly kingdom by rebellion: any attempt to do this is against reason, even if the rebellion succeeds. There are two reasons for this. The attempt can't reasonably be expected to succeed, but rather the contrary; and if it does succeed, that teaches others to try the same thing in the same way. Therefore justice - that is to say, the keeping of covenants - is a rule of reason by which we are forbidden to do anything destructive to our life, and so it is a law of nature.

Some people go even further, denying 'law of nature' status to the rules that conduce to the preservation of man's life on earth, allowing it only to rules that conduce to the attaining of eternal happiness after death. They think that a breach of covenant may conduce to *that* end, and consequently be just and reasonable (for example those who think it a work of piety to pursue, depose, and kill their kings under the pretext of a war of religion). But there is no natural knowledge of what man's situation will be after death, much less of what reward will then be given for breach of faith - only a belief based on other men's saying that they know this supernaturally, or that they know people who knew people who knew others who knew it supernaturally! - so breach of faith can't be called a command of reason or of nature.

Others who allow that the keeping of faith is enjoined by a law of nature, nevertheless make an exception for covenants with certain persons such as heretics and people who commonly don't perform their covenants with others; and I say that this exception is also against reason. If any fault of a man is sufficient to nullify a covenant we have made with him, the same fault ought in reason to have sufficed to prevent us from making it in the first place.

The names 'just' and 'unjust' mean one thing when applied to men and another when applied to actions. To call *a man* 'just' (or 'unjust') is to say that his manners - his overall ways of behaving - conform (or don't conform) to reason. But in calling *an action* 'just' or 'unjust' one is talking about the conformity (or non-conformity) to reason of that particular action, not of anyone's manners or way of life. So a just man is one who takes all the care he can that his actions are all just; and an unjust man is one who neglects

that. The labels 'righteous' and 'unrighteous' are more often applied to such men than 'just' and 'unjust', but the meaning is the same. A righteous man, therefore, doesn't lose that title through performing one or a few unjust actions that come from sudden passion, or from mistakes about things or persons; nor does an unrighteous man lose his character for things that he does (or things he doesn't do) because of fear; because in these actions or refrainings his will is not shaped by the justice of his conduct but by its apparent benefit to him. What gives human actions the savour of justice is a certain rarely found nobleness or gallantness of courage, by which a man scorns to owe the contentment of his life to fraud or breach of promise. This justice of manners - justice of customary conduct - is what is meant when justice is called a virtue and injustice a vice.

An action's being just doesn't make the person just; it merely makes him guiltless in this instance. And an action's injustice (which is also called 'injury') makes the person not necessarily unjust but guilty in this instance.

Injustice of manners is the disposition or tendency to do injury, and is injustice even before it leads to any action, and even if no individual person is actually injured. But the *injustice of an action* (that is to say *injury*) involves there being some individual person who is injured, namely the one to whom the covenant was made; and therefore it often happens that the *injury* is suffered by one man but the *damage* goes to someone else. For example: the master commands his servant to give money to a stranger, and the servant doesn't do it; the *injury* is done to the master, whom the servant had covenanted to obey, but the *damage* goes to the stranger, towards whom the servant had no obligation and therefore could not *injure* him. So also in commonwealths a private citizen can let a debtor off from his debt to him, but not from robberies or other violences through which he is harmed; because the non-payment of a debt is an injury only to the creditor, whereas robbery and violence are injuries to the person of the commonwealth.

Whatever is done to a man in conformity with his own will, if his will has been indicated to the doer, is no injury to him. For if the doer hasn't by some antecedent covenant given up his original (basic, natural) right to do what he pleases, there is no breach of covenant, and therefore no injury has been done. And if he has covenanted to give up his original right, he is now released from that covenant by the other person's signifying his willingness to have the action done, and so again no injury is done.

Justice of actions is divided by Aristotle, Aquinas, and other writers into *commutative* and *distributive*. . . . They identify *commutative* justice with

the equality of value of the things contracted for

(as if it were an injustice to sell dearer than we buy); but this is a useless notion, because the value of anything that is contracted for is measured by the desires of the contractors, and therefore what they are contented to give is the just value. And these same writers identify *distributive* justice with

the distribution of equal benefit to men of equal merit

(as if it were an injustice to give more to a man than he merits). This is wrong too, because merit is rewarded only by grace and isn't owed anything as a matter of justice. (The only exception to this is the kind of merit that goes with covenants - one party's performance *merits* the performance of the other party - and this falls within the scope of commutative justice, not distributive.)

So this distinction, understood in the usual manner, is not right. Using the term properly, *commutative* justice is the justice of a *contractor* - that is, doing what one has covenanted to do in buying and selling, hiring and letting to hire, lending and borrowing, exchanging, bartering, and other acts of contract.

And *distributive* justice is the justice of an *arbitrator* whose job it is to define what is just. Having been trusted by those who make him arbitrator, if he performs his trust he is said to *distribute* to every man his own. This is indeed just distribution, and it could (though improperly) be called 'distributive justice'; but a more proper label is 'equity'. That is also a law of nature, as I will show a little later.

As justice depends on a previous covenant, so GRATITUDE depends on a previous grace, that is to say, a previous free-gift. There is a law of nature about this, which can be put thus:

Fourth law of nature: A man who receives benefit from another out of mere grace should try to bring it about that the giver of the benefit doesn't come to have reasonable cause to regret his good will.

For no man gives except with the intention of bringing good to *himself*, because giving is voluntary, and the aim of each voluntary act is the good of the person whose act it is. If men see that they will be frustrated in that aim - as they will be if ingratitude is prevalent - there will be no beginning of benevolence or trust, or (consequently) of mutual help, or of reconciliation of one man to another; so that men will be left still in the condition of war, which is contrary to the first and fundamental law of nature, which commands men to seek peace. The breach of this fourth law is called 'ingratitude'. It has the same relation to *grace* that *injustice* has to *obligation by covenant*.

A fifth law of nature enjoins COMPLAISANCE. That is to say,

Fifth law of nature: Every man should strive to accommodate himself to the rest. To understand this, think about the fact that differences in men's affections create differences in how apt they are for society; not unlike differences among stones that are collected for building of an edifice. If a stone's roughness and irregularity of shape causes it to take more space from others than it itself fills, and if it is too hard to be easily smoothed, it is awkward to build with and the builders discard it as unprofitable and troublesome. Similarly, a man who is led by the roughness of his nature to try to keep for himself things that others need and he does not, and whose passions are so stubborn that he can't be corrected, is to be dropped or thrown out of society as giving it too much trouble. For seeing that every man is supposed - not only by right, but also by necessity of nature - to do all he can to obtain what he needs for his own survival, anyone who goes against *this* in order to have things he doesn't need is guilty of the war that his conduct will start; and that is contrary to the fundamental or first law of nature, which commands the pursuit of peace. Those who observe this fifth law may be called SOCIABLE, and those who break it may be called 'stubborn', 'unsociable', 'perverse', 'intractable'.

And then there is this:

Sixth law of nature: A man ought to pardon the past offences of those who repent of their offences, want to be pardoned, and provide guarantees of good behaviour in the future.

For PARDON is simply the granting of peace. If granted to people who persevere in their hostility, it isn't peace, but fear; but if it is not granted to people who give guarantees of

their future conduct, that is a sign of aversion to peace, and is therefore contrary to the ·first· law of nature.

And this:

Seventh law of nature: In revenge (that is, returning evil for evil), men should look not at the greatness of the past evil but at the greatness of the future good.

This forbids us to inflict punishment with any purpose other than to correct of the offender or to direct others. This law follows from its immediate predecessor, which commands pardon when there is security for the future. Besides, taking revenge without thought for the example that is being set or for the profit that will come from it is triumphing or glorying in someone else's pain. And it is \dot{Y} doing so without aiming at any *end*, for the end is always something in the future; and \dot{Y} glorying to no end is vainglory and contrary to reason, and \dot{Y} to hurt without reason tends to start war, which is against the ·first· law of nature. Such conduct is commonly called 'cruelty'.

Because all signs of hatred or contempt provoke men to fight, as most men would rather risk their lives than not to be revenged, we may set down this command:

Eighth law of nature: No man should - by deed, word, facial expression or gesture - express hatred or contempt of someone else.

The breach of this law is commonly called 'contumely' [= 'gratuitous insult'].

The question of who is the better man has no place in the raw condition of nature, where (as I have shown) all men are equal. The inequalities that now obtain between men have been introduced by the civil laws. I know that Aristotle in the first book of his *Politics* bases his doctrine on the thesis that some men are by nature \dot{Y} more worthy to command, others \dot{Y} more worthy to serve. He took the former to be \dot{Y} the wiser sort (and thought his philosophy showed him to be one of them); the latter were \dot{Y} those who had strong bodies, but were not philosophers as he was. He was implying that the line between master and servant (or slave) is drawn not by the consent of men but by differences of intellect - which is not only against reason but also against experience. For very few men are so foolish that they wouldn't rather govern themselves than be governed by others; and when those who fancy themselves as very intelligent contend by force against people who distrust their own intellects, they don't always - they don't *often*, they almost *never* - get the victory. So if nature has made men equal, that equality should be acknowledged; and if nature has made men unequal, it remains the case that men who *think* themselves equal will refuse to make peace treaties except on equal terms, and so their ·believed-in· equality must be admitted. And so I offer this:

Ninth law of nature: Every man should acknowledge ·every· other as his equal by nature.

The breach of this command is *pride*.

From this law there follows another:

Tenth law of nature: At the entrance into conditions of peace, no man should insist that *he* retain some right which he is not content to be retained by everyone else.

As it is necessary for all men who seek peace to \dot{Y} lay down certain rights of nature, that is to say, not to have liberty to do whatever they like, so it is also necessary for man's life to \dot{Y} retain some rights - the right to take care of their own bodies, to enjoy air, water, motion, ways to go from place to place, and everything else that a man needs if he is to live, or to

live well. [Curley reports that the Latin version ends ‘. . . needs if he is to live’, with no mention of living well.] This being the case, if at the making of peace someone requires for himself something that he is not willing to have granted to others, he infringes the ninth law, which commands the acknowledgment of natural equality, and so he also infringes the first or basic law of nature. Those who observe this tenth law are called ‘modest’, and the breakers of it ‘arrogant’ . . .

Here is a further precept of the law of nature:

Eleventh law of nature: If a man is trusted to judge between man and man, he should deal equally between them.

For without that, the controversies of men cannot be settled except by war. So someone who is biased in his judgments is doing his best to deter men from the use of judges and arbitrators, and so he is - against the basic law of nature - a cause of war. Because the observance of this law involves the equal distribution to each man of what in reason belongs to him, it is called EQUITY, and (as I have said before) ‘distributive justice’; the violation of it is called ‘acceptation of persons’ [= ‘favouritism’].

From this law there follows another:

Twelfth law of nature: Anything that cannot be divided should be enjoyed in common, if that is possible: enjoyed without limit, if there is enough of it for that, otherwise those who have a right to it should have equal shares of it.

If this law is not followed, the distribution is unequal, and therefore contrary to equity.

But some things cannot be either divided or enjoyed in common. In that case, the law of nature prescribing equity leads to this:

Thirteenth law of nature: If a thing that cannot be divided or enjoyed in common, a *lottery* should be set up to determine who is to have the entire right to the thing or (for an alternating use of it) who is to have it first.

For the law of nature demands equal distribution, and we can’t imagine any other way - in the case in question - of doing that.

There are two sorts of lottery - arbitrary and natural. An arbitrary lottery is one agreed on by the competitors; a natural lottery is based either on who was born first or on who first took possession. So:

Fourteenth law of nature: Things that can’t be enjoyed in common or divided ought to be judged to have been acquired *through a lottery* to the first possessor, or in some cases to the first-born.

Here is another law:

Fifteenth law of nature: All men who mediate peace should be allowed safe conduct.

For the law that commands peace as an end commands intercession [= ‘pleading on someone else’s behalf’] as the means, and the means to intercession is safe conduct.

However willing men may be to observe these laws, questions may still arise concerning a man’s action: Did he do it? If he did it, was it against the law of nature? (The former is called a ‘question of fact’, the latter ‘a question of right’.) When this happens, men are as far from peace as ever unless they covenant to abide by the judgment of some third party - known as an ARBITRATOR. And therefore:

Sixteenth law of nature: When men have a controversy, they should submit their right to the judgment of an arbitrator.

And seeing every man is presumed to do everything with a view to his own benefit,

Seventeenth law of nature: No man is a fit arbitrator in his own cause.

Even if a man were an entirely suitable arbitrator in his own cause, the demand of equity that each party receive equal benefit implies that if one is allowed to be a judge the other should be allowed also; and if that happens the controversy - that is, the cause of war - still stands, which is against the law of nature.

For the same reason,

Eighteenth law of nature: No man ought to be accepted as an arbitrator in any case where it seems that he will get greater profit or honour or pleasure from the victory of one party than from the victory of the other.

That is because he has taken a bribe - an unavoidable one, but still a *bribe* - and no man can be obliged to trust him. So here again, if such an arbitrator is appointed, the controversy remains, and thus the condition of war remains, contrary to the law of nature.

The seventeenth and eighteenth laws are relevant to controversies of both kinds - of fact and of right. One final law pertains only to the former:

Nineteenth law of nature: In a controversy of fact, the judge should not give more credence to one party than to the other (if there is no other evidence), so he must give credence to a third person as witness, or to a third and fourth, or more; for otherwise the question is undecided, and left to be settled by force, which is contrary to the first law of nature.

Those are the laws of nature, which dictate peace as the means to the preservation of men in multitudes. Their only concern is with the doctrine of civil society. There are other things tending to the destruction of particular men - for example drunkenness, and all other kinds of intemperance - which could be counted among the things the law of nature has forbidden; but they are not relevant to my present concerns.

This chapter may seem too subtle a deduction of the laws of nature to be attended to by all men, most of whom are too busy getting food to understand it, and the rest are too careless to do so. However, these laws of nature have been contracted into one easy sum that can be grasped even by the poorest intelligence, namely:

Don't do to someone else anything that you wouldn't want done to you.

That shows a man that in learning the laws of nature all he has to do is this:

When weighing the actions of other men against his own, if they seem too heavy then he should put them into the other pan of the balance, and his own into their pan, to ensure that his own passions and self-love are not adding anything to the weight.

If he does that, all of these laws of nature that will appear to him very reasonable. Because this procedure is available, he cannot excuse himself for not knowing the laws of nature on the ground that they are too complicated and difficult.

[In the next paragraph Hobbes uses the Latin phrases *in foro interno* (= 'in the inner court') and *in foro externo* (= 'in the outer court'). Traditionally, a judgment *in foro interno* has been understood to be the voice of the person's own conscience, while a judgment *in foro externo* is a public one - by other people or of a court of law. Hobbes's adapts these terms for his own slightly different purposes.]

The laws of nature oblige one *in foro interno*, that is to say, they require one to *want* certain things to occur; but *in foro externo* - that is, in respect of *acting* on them - they are

not always binding. For someone who is modest and pliable and faithful to his promises, at a time and place where nobody else would be like that, merely makes himself a prey to others, and procures his own certain ruin; this is contrary to the basis of all the laws of nature, which tend towards his nature's preservation. But this holds only in situations where nobody else would conform to the laws. Someone who has good enough evidence that others *will* observe those laws with respect to him, yet doesn't observe them himself, is not seeking peace but war, which amounts to seeking the destruction of his nature by violence.

A law that binds *in foro interno* may be broken not only by an action that is contrary to the law but also by an act that conforms to the law if the person acting *thinks* it is contrary to the law. For though his *action* in this case accords with the law, his *purpose* is against it, and for an obligation *in foro interno* that is a breach.

The laws of nature are immutable and eternal, for injustice, ingratitude, arrogance, pride, iniquity, acception of persons, and the rest can never be made lawful. For it can never be that war will preserve life and peace destroy it.

These laws of nature are easy to obey, because they require only a certain desire and an endeavour - I mean an unfeigned and constant endeavour - to act in certain ways. Because they require nothing but endeavour, he who *tries to* fulfill them *does* fulfill them, and he who fulfills the law is just.

And the science of them [= 'the rigorous disciplined theoretical truth about them'] is the true and only moral philosophy. For moral philosophy is simply the science of what is good and evil in the conversation and society of mankind. 'Good' and 'evil' are names that signify our desires and aversions, which are different in men who differ in their characters, customs, and beliefs. And men can differ not only in their judgments of the senses - concerning what is pleasant or unpleasant to the taste, smell, hearing, touch, and sight - but also judgments concerning what is conformable or disagreeable to reason in the actions of common life. Indeed, one man at different times differs from himself, at one time praising (calling 'good') something that at another time he dispraises (calling it 'evil'), from which arise disputes, controversies, and at last war. And therefore a man is in the condition of mere nature (which is a condition of war) for as long as private appetite is the measure of good and evil; and consequently all men agree that peace is good and that the means to peace - justice, gratitude, modesty, equity, mercy, and the rest of the laws of nature - are good also; which is to say that moral virtues are good and their contrary vices evil.

Now the science of virtue and vice is moral philosophy, and therefore the true doctrine of the laws of nature is the true moral philosophy. But the writers of moral philosophy, though they acknowledge the same virtues, don't see what makes them good - don't see that they are praised as the means to peaceable, sociable, and comfortable living - and regard them as only middle-strength passions

Men customarily call these dictates of reason 'laws; but improperly, for they are really just conclusions or theorems about what conduces to men's survival and defence of themselves, whereas a 'law' properly so-called is the word of someone who by right has command over others. Still, if we consider these same theorems as delivered in the word of God, who by right commands all things, *then* they are properly called 'laws'.

Chapter 16. Persons, authors, and things personated

A person is

someone whose words or actions are considered either as his own or as representing the words or actions of another man or of any other thing to whom they are attributed, whether truly or by fiction.

When they are considered as his own, he is called a ‘natural’ person; and when they are considered as representing the words and actions of another, he is called a ‘feigned’ or ‘artificial’ person.

The word ‘person’ is Latin In Latin *persona* signifies the disguise or outward appearance of a man, counterfeited on the stage, and sometimes more particularly the part of it that disguises the face (such as a mask or visor); and the word has been transferred from the stage to any representer of speech and action, in tribunals as well as in theatres. So that a *person* is the same as an *actor*, both on the stage and in common conversation; so for someone to *personate* is for him to act or represent himself or someone else; and he that acts someone else is said to ‘bear his person’ or ‘act in his name’ and in different contexts is variously called a ‘representer’, a ‘representative’, a ‘lieutenant’, a ‘vicar’, an ‘attorney’, a ‘deputy’, a ‘procurator’, an ‘actor’, and the like. (Cicero uses *persona* in this bearing-someone’s-person sense when he writes *Unus sustineo tres personas: mei, adversarii, et judicis* - ‘I bear three persons: my own, my adversary’s, and the judge’s’.)

Sometimes the words and deeds of those who represent someone are acknowledged as their own by those whom they represent; and in such a case the one who represents is called the ‘actor’ and the one who is represented is called the AUTHOR, as the one by whose *authority* the actor acts. For what we call an ‘owner’ (Latin *dominus*) when *goods and possessions* are the topic is called an ‘author’ when the topic is *actions*; so that being the author of an action is strictly analogous to being the owner of a house. And as the right of possession is called ‘dominion’, so the right of performing some action is called AUTHORITY. Thus, *authority* is always understood as a right of performing some act; and *done by authority* means done by commission or licence from him whose right it is.

It follows from this that when the actor makes a covenant by authority, the covenant binds the author - and subjects him to all its consequences - just as much as if he had made it himself. So everything I said in chapter 14 about the nature of covenants between man and man in their natural capacity is true also when the covenants are made by their actors, representers, or procurators, that have authority from them - up to the limits of the commission they have been given, but no further.

So someone who makes a covenant with an actor or representer without knowing what authority he has (what the limits of his commission are) does so at his own peril. For no man is obliged by a covenant of which he is not author, or, therefore, by a covenant that goes against or departs from the authority he gave.

When the actor does something against the law of nature by command of the author, if he is obliged by a former covenant to obey the author then it is not he but the author who breaks the law of nature; for though the action is against the law of nature, yet it is not the actor’s action but the author’s; because the actor would have violated the law if he had *not* done it, since he had covenanted to do it.

If someone makes a covenant with an author through the mediation of an actor, not *knowing* what authority the actor has but only taking his word, then if he demands that the

extent of the authority be made clear to him, and it isn't, he is no longer obliged; for the covenant he made with the author is not valid without the author's reciprocal assurance. But if he who covenants in this way knew beforehand that he was to expect no assurance except the actor's word, then the covenant is valid, because in this case the actor makes himself the author. So: when the authority is evident, the covenant obliges the author, not the actor; when the authority is feigned, it obliges the actor alone, because there is no author but himself.

Most things can be represented by a fiction. Inanimate things, such as a church, a hospital, a bridge, can be personated by a rector, master, or overseer. But inanimate things can't be authors, or give authority to their actors; but the actors may have authority to arrange for the maintenance of the hospital, bridge, etc., given to them by those who own or govern those things. So such ·inanimate· things cannot be personated until there is some state of civil government, ·because ownership and control are possible only under such a government·.

Likewise children, fools, and madmen who have no use of reason may be personated by guardians, or curators, but can't be authors of any action done by them (during that time ·of their incapacity·) unless and until they recover the use of reason and judge the action to be reasonable. During their time of folly, he who has the right of governing them may give authority to a guardian. But this again has no place except in a civil state, because before such a state exists there is no dominion of persons - ·that is, no right of governing persons·.

An idol, or mere figment of the brain, can be personated, as were the gods of the heathen. They were personated by officers appointed to this by the state, and ·through these officers· held possessions and other goods and rights which men from time to time dedicated and consecrated to them. But idols can't be authors, for an idol is nothing. The authority came from the state; and therefore before introduction of civil government, the gods of the heathen could not be personated.

The true God can be personated. As he was, first, ¶by Moses, who governed the Israelites, (that were not his people but God's) not in his own name ('Thus says Moses') but in God's name ('Thus says the Lord'). Secondly, ¶by the Son of man, his own Son, our blessed Saviour Jesus Christ, who came to restore the Jews and induce all nations into the kingdom of his father, coming not as of himself but as sent from his father. And thirdly ¶by the Holy Ghost, or Comforter, speaking and working in the Apostles. This Holy Ghost was a Comforter who did not come of his own accord, but was sent, and came from both the Father and the Son.

A multitude of men are made to be one person when they are represented by one man or one person, this representation having the consent of every individual in that multitude. What makes the person *one* is the unity of the representer, not the unity of the represented. It is the representer who bears the person - only one person - and this is the only way to make sense of *unity* as applied to a multitude.

Because the multitude naturally is not *one* but *many*, they can't be understood as one author; rather, they are many authors of everything their representative says or does in their name. Every individual man gives *his* authority to their common representer, and either ¶owns all the representer's actions (if they have given him unrestricted authority) or ¶owns such of the representer's actions as they gave him commission to perform (if the authority they have given him is limited).

If the representative consists of many men, the voice of the majority must be considered as the voice of them all. For if a minority pronounce (for example) in the affirmative, and the majority in the negative, there will be more than enough negatives to cancel the affirmatives, and then the extra negatives, standing uncontradicted, are the only voice the representative has.

When a representative consists in an even number of men, especially when the number is not great, it often happens that the contradictory voices are equal, so that the representative is mute and incapable of action. In some cases, however, contradictory voices equal in number *can* settle a question: for example, in a question of condemning or absolving someone, equality of votes has the effect of absolving (because it doesn't condemn), and does *not* have the effect of condemning-because-it-doesn't-absolve. For when a cause is heard, *not condemning* is *absolving*; and to say that on the contrary *not absolving* is *condemning* is wrong. Similarly in a deliberation about whether to do something now or defer it until a later time: for when the voices are equal there is no decree to do it now, and that *is* a decree to delay.

If the number is odd . . . and the arrangement is that any *one* man can by a negative voice to take away the effect of all the affirmative voices of the rest, this group of people is no representative; because it will often - and in cases of the greatest importance - become a *mute person*, because of the diversity of opinions and interests of the men composing it. That will make it incompetent to do many things, one of them being the government of a multitude, especially in time of war. . . .