

# 10. The corporation is not a nexus of contracts: it's an iPhone\*

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## 10.1 INTRODUCTION

Firms are no less contractual than markets. This was one of the messages of Alchian and Demsetz (1972), a message quickly absorbed by the Coasean tradition of law and economics. A firm differs from a market, they argued, only in that a firm is a contractual system organized around a central agent who is party to the many contracts necessary for team production: contracts with customers, with workers, with suppliers, with investors all flow through this central agent. In the original Alchian and Demsetz story, the central agent was a single individual, which limited the reach of their account to the classic owner-managed firm. Jensen and Meckling quickly extended this idea to the more complex corporate enterprise by making the central agent not a human individual but the corporate entity itself: 'most organizations are simply legal fictions which serve as a nexus for a set of contracting relationships among individuals' (Jensen and Meckling, 1976, p. 310). 'By legal fiction', they explain, 'we mean the artificial construct under the law which allows certain organizations to be treated as individuals' (Jensen and Meckling, 1976, p. 310, n. 12).

For most within the Coasean law-and-economics tradition, the nexus-of-contracts view implies that the corporation (at least in principle, if not always in fact) is entirely a matter of contract law, and the corporate entity, the legal fiction of corporate personhood, is nothing but a name for a bundle of contracts. Easterbrook and Fischel (1985, p. 89) exemplify the nominalist rhetorical stance: 'the corporation is not real. It is no more than a name for a complex set of contracts among managers, workers, and contributors of capital. It has no existence independent of these relations.'

The nexus-of-contacts view has had significant influence on the theory of the firm, where it was taken to imply that the firm has no clear boundaries, since it is difficult and perhaps meaningless to specify which contracts are 'inside' and which 'outside' the firm.<sup>1</sup> I want to consider here a related

but different issue: the political economy of the corporation or, to put it another way, the question of the 'rights' of corporate entities.

Milton Friedman (1970) famously argued that the only responsibility of corporations – he actually talked about the employees of corporations – is to fulfil the wishes of the owners of the corporation, whatever those wishes might be.<sup>2</sup> Generally, but not always, he thought, the owners would want to make as much money as possible, and corporations should accommodate, while adhering to the 'basic rules of the society, both those embodied in law and those embodied in ethical custom' (Friedman, 1970, p. 33). The rules Friedman had in mind are not responsibilities special to corporations but are those applicable to individuals. A flip side of this position, which has been controversial in the United States (and elsewhere) at least since the Early Republic, is the assertion that the rights of the owners of the corporation also 'pass through' to the corporation. Since the corporation is only the guise in which cooperating individuals act, the corporation is entitled to whatever rights the owners might possess, including (for example) freedom of speech, freedom of religion and equal protection under the law. Indeed, the corporation itself, in this view, is an example of the free assembly to which Americans have a Constitutional right.

Needless to say, there is an enormous body of thought that disputes these views. What unites opposing positions is that they all must somehow show that the corporation is something else – that it is something other than, or at least more than, just a name for certain modes of voluntary cooperation among rights-holding individuals. Only then would it be possible to assert that corporations have 'corporate social responsibilities' different from the responsibilities of individuals. Only then would it be possible to assert that governments may abrogate the rights of corporations – in respect to spending on political speech, for example<sup>3</sup> – in ways and to an extent different from their ability to abrogate the rights of individuals.<sup>4</sup> Unsurprisingly, in much of this literature the idea of a firm as a nexus of contracts is squarely in the target sights.

I will argue that critics of the nexus-of-contracts view are right in one sense (though by no means in every sense). Yet, despite this, the fact that the corporation cannot be constructed solely out of voluntary contract narrowly understood does not destroy the argument that the corporation is ultimately 'nothing but' a form of cooperation among rights-holding individuals.<sup>5</sup> Even though the corporation is more than a nexus of contracts, the corporate form does not *ipso facto* diminish any rights the cooperating individuals may hold. In order to see why this is so, we need to think less about contracts and more about rights.

## 10.2 RIGHTS IN REM

Among economists, the best and probably most famous definition of a system of property rights is that of Armen Alchian, for whom such a system is ‘a method of assigning to particular individuals the “authority” to select, for specific goods, any use from a non-prohibited class of uses’ (Alchian, 1965, p.818). In effect, a right creates a ‘protected sphere’ in which the owner alone has authority over what is possessed.

Along with Harold Demsetz (1967), Alchian was a progenitor not only of the nexus-of-contracts idea but also of the property-rights school that was another legacy of the work of Ronald Coase (1960). Hodgson (2015) has recently criticized this school for its readiness to think of property rights as a matter of possession or de facto control rather than as a right in the abstract or as a right backed up by an institutionalized legal system. Here I have in mind something closer to Hodgson’s view: I want to think about property right in the abstract, about the formal or architectural structure of rights as embodied in a system of what Friedrich Hayek (1973) calls *law* as against *legislation*. Such law, like the common law, may nowadays be enforced by a state-supported apparatus, but is not necessarily created by a state.

Along with legal philosophers like James Penner (1997), the legal theorists Thomas Merrill and Henry Smith (2001a, 2001b) have reasserted a conception of rights that captures the spirit of Alchian’s definition. It is also a return to the pre-twentieth-century view of property.<sup>6</sup> Merrill and Smith adopt and clarify the traditional legal distinction between rights *in rem* and rights *in personam*. Rights *in rem* surround a thing – a piece of land or a chattel – and grant the possessor what is essentially dominion: the right to exclude all others from the use of that thing, which is to say, the right to exclude an indefinite number of unspecified others. By contrast, rights *in personam* involve specific obligations between specific persons. In this view, property follows the logic of *in rem*; contract follows that of *in personam*. The argument for the *in rem* view of property arises out of the information problems of contracting in a complex and changing world (Merrill and Smith, 2001a). Ownership *in rem* creates simple, abstract and anonymous encapsulation boundaries (Smith, 2011).<sup>7</sup>

The alternative to seeing ownership as a unified, encapsulated authority or dominion is to see ownership as (nothing other than) a ‘bundle of sticks’ that can be added or removed individually.<sup>8</sup> The sticks are what are sometime called the ‘incidents’ of ownership. In the well-known formulation of A.M. Honoré (1961), there are 11 standard ones, many dating back to Roman conceptions:

They include the right to use a tangible or intangible asset (*usus*), the right to appropriate the returns from the asset (*usus fructus*), the right to change a good in substance or location (*abusus*), the right to the capital derived from the use of the good as collateral, the right to sell a good (alienation), and several other rights or limitations. (Hodgson, 2013, p. 224)

Property owners do commonly ‘contract away’ some of their rights, that is, they create *in personam* relations through contract that then place limits on their own use of the owned object. And it may well be that these contracts often fall into typical categories, like those Honoré discusses. But it is wrong to think that these incidents – these contractual possibilities – somehow pre-exist like arrows in a quiver (Penner, 2011). The contractual arrangements come into existence only when the owner creates them, not before; and the owner, understood as someone having authority or dominion, can create often unforeseeable contractual arrangements of indefinite number and type. The owner confers rights; he or she does not transfer them.

There is an important implication for the argument here: *in rem* rights cannot themselves be created through the mechanism of contract, since contract deals by definition with relations between specific named persons. Property rights thus require law; they are an architectural element of law. But that is not the same thing as saying that they are creatures of the state, even if a state becomes the mechanism for providing the public good of enforcing those rights. In many instances, formal judicial mechanisms come to enforce rights that arose in some spontaneous way: the common law, nowadays enforced ultimately by police forces, is in the main evolved judge-made law (Hayek, 1973). As a historical matter, property rights sometimes did emerge as grants from the ‘state’, often meaning feudal warlords or other monopolists in the use of force who could in no circumstances be considered embodiments of a social contract. Over time, however, these granted rights became simpler, more abstract, and less and less connected to the original concession.

This, broadly speaking, is the history of property law in Western Europe, notably England (Bogart and Richardson, 2009). In the feudal legal system, one had a variety of rights over land – as well as a tangle of feudal obligations – but the ultimate owner was the ‘donor’ who granted the land. Steeped in the history and ideas of the English Civil War, English colonists in America were ideologically opposed to anything feudal, and so state constitutions uniformly insisted that all land be titled in free and common socage, which was the simplest of all possible feudal landholdings (Hughes, 1977, pp. 24–5). Yet even in free and common socage there remained the fiction of a ‘donor’, who was the true owner of the land and to whom was owed a quitrent. In the United States, the donor could no longer be a

monarch or feudal lord, so the state government assumed the role, and the quitrent became the property tax. It remains the case that if you do not pay your property tax, the state or locality can seize your property. Yet for all practical purposes property rights in land are no longer concessions but have passed into the law as abstract rights capable of being held ultimately by individuals.

### 10.3 THE CORPORATE ENTITY

We can distinguish between bottom-up theories of the corporate entity and top-down theories (Orts, 2013). The nexus-of-contracts account is one form of bottom-up theory: the corporate entity is constructed by – is nothing other than – the contractual cooperation of individuals. All too often, opponents of the bottom-up theory imply that the nexus-of-contracts view is the only possible bottom-up theory and that to discredit it is to discredit the entire programme of a bottom-up account. My argument is that this is not so. We should see the corporate entity as a right *in rem* that can be held by individuals; moreover, we should see it as an architectural component of abstract law, not as a concession. The corporate entity takes the form of, and extends from, the concept of property right – not from its role as a nexus of contracts (although it certainly does also have that role). This, I claim, is also a bottom-up picture of the corporate entity.

Fundamentally, a top-down theory of the corporation is a concession view: the corporation is (nothing but) the creation of the state, and thus any rights the corporation may have emanate from the state and rest on the discretion of the state. In the United States, the Supreme Court famously articulated this view in the early *Dartmouth College* case. ‘A corporation is an artificial being’, said the Court, ‘invisible, intangible, and existing only in contemplation of law. Being the mere creature of law, it possesses only those properties which the charter of its creation confers upon it, either expressly, or as incidental to its very existence.’<sup>9</sup> Quite apart from larger philosophical questions about the legitimacy of the state’s power to create corporate entities, as a historical matter, I will suggest, corporations can exist and have existed without government charters, and indeed the practice of chartering has always been importantly a matter of rent-seeking rather than some necessary prerequisite for the existence of the corporation.

Another large body of literature agrees that the corporation is an ‘artificial being’, though one not necessarily created by the state. In its extreme (and rather unsettling) version, articulated by the nineteenth-century German Romantic Otto van Gierke and his followers, the corporation is ‘no fiction, no symbol [but] a living organism and a real person, with body

and members and a will of its own' (quoted in Adelstein, 2010, p. 331). Often inspired by the philosophy of John Searle (1995, 2005), more recent scholars have attempted to revive this real-entity idea (Adelstein, 2010, 2013; Gindis, 2009; Orts, 2013). Although denying that the firm is only a nexus of contracts, their approach is far more congenial to a bottom-up view of the corporation.<sup>10</sup> The neo-real-entity scholars take from Searle the idea of *institutional facts*: institutions like money – or the firm – do not have any real existence apart from the thoughts and actions of humans, yet they are nonetheless facts in the sense that, and to the extent that, humans behave as if those entities had a real existence. Unlike the concession view, the real-entity approach sees the firm as an entity not because the state decrees it but because it is an institutionalized solution to a transaction-cost problem. Law may codify the rules that underlie the institution, but in the end it is law that serves the institution, not the other way around. In Richard Adelstein's account, the solution to the transaction-cost problem lies not in a nexus of simple contracts but in a complex relational contract, and it requires the development of a set of routines and capabilities that inhere in the team character of the organization. 'When we say that a firm "acts" in a certain way, we mean that specific individuals do specific things in the context of the contract that constitutes their firm that the contractors (and others) agree to describe as actions of the firm' (Adelstein, 2010, p. 342).

Perhaps the most compelling argument against the pure nexus-of-contracts view actually comes from within the larger edifice of the Coasean law-and-economics tradition. Henry Hansmann and Reinier Kraakman (2000a, 2000b) have pointed out that the corporation cannot be strictly a product of contract. Many have long claimed that limited contractual liability is *prima facie* evidence that the corporation is a concession. This is not so: limited liability, meaning the shielding of the owners' assets from the claims of the corporation's creditors, is merely a contractual feature that creditors can 'price in'. The insight of Hansmann and Kraakman is that the flip side of limited liability – *entity shielding* – cannot be cheaply constructed out of contract law. Entity shielding means protecting the assets of the corporate entity itself from the creditors of the owners, thus partitioning the owners' assets into those that are corporate and those that are personal. To accomplish this through contract – contracts with all the owners' current and unknown future creditors – would be a transaction-cost nightmare. Thus, entity shielding must emerge from law in much the way property rights more generally emerge from law. The corporate entity is *in rem* not *in personam*.

Corporate law is necessary for the corporate entity. But there is no reason to view such law as a concession of the state. Indeed, the corporation as

an institution arguably predates the state.<sup>11</sup> Much of the present-day discussion of the corporate entity is coloured by the looming presence of state chartering since the early-modern period, a time during which state capacity was growing and during which states learned to use chartering as a mechanism of rent-seeking. If we look instead at earlier times and in the interstices of the early-modern period, we can see that the corporate entity could emerge without concession, using legal mechanisms drawn from the law of property.

As early as 1373, two grain-milling enterprises on the Garonne had effectively incorporated and displayed most of the attributes of the modern corporate form, including limited liability, asset partitioning, alienable shares and corporate governance (Le Bris et al., 2015). What made this possible was the existence of a legal system that created and enforced property rights. Under the Carolingian legal system, property rights were generated as grants or fiefs from a lord in return for compensation (military service or, increasingly, simple usufruct). In the twelfth century, the Count of Toulouse and the priory of Daurade held the rights to the use of the waters of the Garonne, which they enfeoffed to separate sets of mill investors, who then technically became their vassals. Over time, the payments to the feudal lords diminished with inflation, and feudal obligations became attenuated to the point that the feudal entitlement transformed into ordinary shareholding (Le Bris et al., 2015, p. 14). Limited liability followed from the feudal principle that one could always abandon a fief. And entity shielding followed from other principles of medieval law, in which perpetual life and asset partitioning were available from ecclesiastical models, rather than secular concession.<sup>12</sup> From these medieval property rights evolved the sophisticated corporations of the fourteenth century.

Another example is England before and during the period of the Bubble Act (1720–1825). Ron Harris (1994) has argued that the Bubble Act itself – actually initiated before the bursting of the South Sea Bubble – was but one manifestation of a general hostility at the time to incorporation. Access to royal charters or acts of Parliament became extremely costly. As a result, businesses operated without formal incorporation, and there existed in fact a multitude of ‘unincorporated corporations’ that enjoyed most of the benefits of incorporation without a government-granted charter (Anderson and Tollison, 1983). These enterprises used existing pieces of the common law to cobble together ‘a pre-incorporation system that offered many of the effects of separate personality, asset partitioning and limited liability’ (Getzler and Macnair, 2005, p. 272). The crucial *in rem* element of these arrangements was the law of trusts: ‘the organization’s real and personal property would be placed in the names of trustees, and trus-

tees selected by the subscribers to the organization would be authorized in certain instances to act in the society's behalf' (DuBois, 1938, p. 217).

In America after the Revolution, state governments inherited the former Crown prerogative of incorporation, which they exercised with enthusiasm (Maier, 1993). In contrast to chartering in England (Harris, 1994), charters in the United States were an important source of state revenue and patronage (Wallis, 2005). Both consumers and potential competitors quickly began to chafe at the restrictions of these highly personalized charters, however, and by the early nineteenth century states began offering more general incorporation, though the charters under even these more liberal statutes continued to be larded with restrictions of rent-seeking origin (Lamoreaux, 2015). Restricted state-level charters proved especially unsuited to the large multi-unit enterprises that began to arise in the late nineteenth century (Chandler, 1977), enterprises that needed not only to raise large amounts of capital but also to operate across state lines. To solve this problem, S.C.T. Dodd, general counsel to the largest of these enterprises – Standard Oil – resurrected the eighteenth-century English solution: a stock-transfer trust (Hovencamp, 1991, p. 291). Under this arrangement, a set of trustees, prominently including John D. Rockefeller, would in essence provide the legal persona with which to encapsulate a nexus of interstate contracts.

The trust form might well have developed into a genuine bottom-up structure of corporate personality. In the event, however, the state of Ohio would not give up its authority easily, and it sued successfully to have the trust declared to have been *ex vires* – outside the powers of the company's original Ohio charter. Standard was forced to recede back to a congeries of state-chartered units. Within a few years, however, the rise of the large interstate enterprise had begun to change the rent-seeking dynamic, and states suddenly began competing to offer increasingly open and liberal incorporation as a way of attracting revenue (Butler, 1985; Grandy, 1989). By the turn of the twentieth century, incorporation in New Jersey (later Delaware) became available as a simple method of achieving what Dodd had set out to do. So even though it was state chartermongering, not pure private ordering under the law of trusts, that ended up yielding a relatively unencumbered and anonymous form of corporate personhood in the United States, the ultimate result was arguably more-or-less what it might have been under pure private ordering.

If the legal fiction of the corporation cannot be constructed entirely out of voluntary contract, does that not imply concession by the state? The corporate person is no more – or no less – a concession of the state than is an abstract right to property. States have treated, and in many if not most parts of the world still do treat, the right to property and

the right to form perpetually lived organizations as state prerogatives. They do this largely in order to create and redistribute rents. But the emergence of modern open-access orders has been a movement away from concession and rent-seeking toward abstract rights in law (North et al., 2009). From both a conceptual and a historical perspective, we can see the corporate entity as an evolved legal doctrine, the result, in effect, of a spontaneous process.

#### 10.4 DO CORPORATIONS HAVE RIGHTS?

What makes the discussion of corporate rights difficult and confusing is that the corporate entity is at once a thing that can be owned and a form of ownership, in the same sense that fee simple is a form of ownership. As Katsuhito Iwai notices, ‘an incorporated business firm is composed legally of not one but *two* ownership relations: the shareholders own the corporation as a legal thing and the corporation as a legal person own the corporate assets’ (Iwai, 1999, p. 585, emphasis in original). In some respects, the corporate entity is like a patent, a taxi medallion or an allotment of pollution or electromagnetic spectrum: it is an incorporeal thing created in law that can be traded. But, quite apart from being – as I have argued – more a creature of law and less of state concession, the corporate entity differs in a crucial way from a patent or a medallion: it is not a use-right stick packaged for trade but rather an object in which inhere full *in rem* rights of ownership.

One implication is that corporations do not have rights. The corporate entity is a mechanism through which owners exercise *their* rights. A printing press is an entity with a real existence distinct from those who own or use it. If an unfashionable tract issues from the printing press, we would never say that the press is exercising its right to free speech; we would say that the owner is using the press to exercise his or her right to free speech. The corporate entity is no less a vehicle for its owners to exercise their rights. It does not help to say that the corporation is a more complex entity than a printing press. Meir Dan-Cohen (1986) rightly argues that a corporation is essentially an intelligent machine. So maybe the corporation is an iPhone rather than a printing press.

It might be objected here that, unlike a printing press, a corporation as an entity certainly does have rights: it can own assets and write contracts. Adelstein (2013) makes a cogent argument that the firm qua entity should have only those rights it needs to conduct business and should not have any of the moral or political rights of individuals like freedom of speech or freedom of religion. Yet, in addition to being an entity, the corpora-

tion is also a kind of property right. And for that reason one might well wonder – controversially, perhaps – whether, in addition to possessing a subset of rights as an entity, the firm may *also* be a conduit for the moral and political rights of its owners, just as ordinary property – like a printing press – may be such a conduit.

To see why this is so, we must think harder about the meaning of ownership. Rather than own specific assets directly, the owners of the corporation own the entity, which in turn owns all the assets. Moreover, ownership is structured this way even though the large number of owners must delegate day-to-day responsibilities to hired managers. Here is an obvious point of incision for procrustean scholarship. If one can show that the stockholders do not really ‘own’ the corporation, then we need not worry about the rights of those stockholders passing through the entity they own. Most scholarship does this by focusing on the public-choice problem of diffuse ownership, casting the stockholders as mere creditors (Ireland, 1999). Stockholders do not own the company; they own only their shares. They are fundamentally rentiers.

Perhaps surprisingly, economic theory is of some help in understanding why this view is wrong. At least since Frank Knight (1921), organizational economists have recognized that contracting can never be complete. Because of (perhaps radical) uncertainty and information costs, agents cannot foresee all future contingencies and thus cannot write contracts in enough detail to account for all contingencies. As a result, there must be a residual right of control – the right to decide what to do in situations not covered by the contract. So, in effect, there is necessarily more to ownership than a complete package of fully specified contractual sticks. In the present-day formal version of this theory, the residual right of control is very much a right *in rem*: it is the residual right to determine the use of non-human assets (Hart, 1988; Hart and Moore, 1990).

Incomplete-contracts theorists would insist that the residual right of control cannot be specified in a contract, essentially by definition. Such rights are inalienable, in the sense that selling them is *ipso facto* a transfer of ownership. Ultimate discretion – which was Alchian’s definition, after all – is the only stick that matters. It defines ownership: selling stock is selling ownership. Some, like Demsetz (1998), have argued that, since high transaction costs make it difficult for stockholders to exercise effective control rights, it is the managers who are the ultimate owners. But this confuses the formal or abstract right of control with a *de facto* scope of action, in much the same way that many economists often compress the formal idea of property itself into possession (Hodgson, 2015). It is another brilliant insight of Hansmann (1988) that, despite the seeming powerlessness of stockholders, they do possess, and it is efficient for them

to possess, the formal rights of control, since to allocate those rights to managers would exacerbate the stockholder-manager agency problem. Ownership rights do not disappear just because there may be transaction costs of exercising them.<sup>13</sup>

## 10.5 WHO IS A REDUCTIONIST NOW?

The corporation is a far more complex form of ownership than, say, fee simple, just as an iPhone is a far more complicated device than a single-purpose cellphone. Much of the scholarship on the corporation has been analogous to analysing the iPhone and finding it objectionable because it has traits that do not fall neatly into the conceptual category of the cellphone. What does it mean to be a cellphone? Can a device have many other features and still be a cellphone? One could wax philosophical. What does it mean to be a legal person? Is the corporation really a legal person if it is not the same kind of person as an individual?<sup>14</sup>

In 1911, Nicholas Murray Butler, the president of Columbia University, declared that ‘the limited liability corporation is the greatest single discovery of modern times’.<sup>15</sup> In fact, it had evolved many times in history into an architectural element of law with many fascinating and complex features. But it is still every bit as cool and out-of-the-box as an iPhone. It is about time scholars began treating it that way.

## NOTES

- \* Thanks to Richard Adelstein and David Gindis for insightful comments on an earlier draft. The views and many errors remaining are my own.
1. Economists like Scott Masten (1988) and Geoffrey Hodgson (2002) have criticized this view, noting in effect that, in creating the corporate entity and in other respects, corporate law provides a clear boundary between what is internal and what external. This argument is related to, but not wholly dependent on, the arguments I consider here.
  2. A privately or closely held corporation might want to seek a goal – an eleemosynary goal perhaps, as Friedman suggests – at the expense of profits. But even widely held corporations might want, as a matter of enlightened self-interest, to seek goals that are not narrowly pecuniary, in a way that does not trade off against profits, in order to generate advertising, create goodwill or influence employee selection and motivation (Birkinshaw et al., 2014).
  3. *Citizens United v. Federal Election Commission*, 558 U.S. 310 (2010).
  4. I am not here claiming, nor do I believe, that the rights of individuals are absolute. A discussion of that issue would take us far afield. The question here is one of equal treatment: whether claims made or actions taken via a corporate entity are evaluated in light of a different set of rights than are the actions or claims of individuals.

5. After I had mostly completed this chapter, I discovered Mahoney (2000), which takes a similar position, though with different emphasis.
6. As Blackstone famously put it, property 'is that sole and despotic dominion which one man claims and exercises over the external things of the world, in total exclusion of the right of any other individual in the universe' (Blackstone, 1775, p. 2).
7. I have argued elsewhere that a system of property rights of this sort is a manifestation of the design principle of modularity (Langlois, 2002).
8. As I will imply presently, the problem is not with the idea of transferrable sticks per se but with the way in which the stick-theory is conceptualized. On this, see Epstein (2011).
9. *Dartmouth College v. Woodward*, 17 U.S. (4 Wheat.) 518 (1819), p. 636. The Court took a very different view later in the century in *Santa Clara County v. Southern Pacific Railroad*, 118 U.S. 394 (1886), and the issue remains contested.
10. Orts (2013) maintains that this present-day real-entity approach is neither top-down nor bottom-up but exists in an 'institutional' space between top-down and bottom-up. I would argue that, properly understood, a self-consciously bottom-up account can also be 'institutional'.
11. So believed von Savigny, as cited in Iwai (1999, p. 602).
12. This legal system was quite sophisticated. The medieval enfeoffment of the mills used a form of ownership called 'pariage' (Le Bris et al., 2015, p. 9).
13. Iwai (1999, p. 594) argues that if a single person owns more than 50 per cent of a corporation, the 'entity' dissolves and the actions of the corporation are just those of the owner – even, presumably, if there are transaction costs for the single owner in exercising his or her rights through the corporation. But if we take the incomplete-contracts view of ownership, why do not all residual claimants possess rights that may pass through despite the transaction costs involved?
14. On the havoc that has been caused by the misuse of the idea of corporate 'personhood', see Gindis (2016).
15. Quoted, among many other places, in Tedlow (1991, p. 25).

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