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Abstract	Intensive farming, or factory farming as it sometimes called, currently involves between 50 and 60 billion animals per year. Its use increased following the ravages of World War II, a fact often explained by advances in science and technology, which were critical to feeding the world's population from the mid-twentieth century. This book, however, argues that intensive production was not so much driven by technology as by commercial and economic imperatives, which technology was able to sustain. These imperatives had shaped the animal product sector from at least the nineteenth century, along a "commodification pathway" that may be described as a utility-driven means of animal management, which objectifies animals as goods in the marketplace, prioritises human uses and lacks meaningful engagement with ethical principles. In effect, the pathway leads to the regulation of animals as bulk commodities, paying insufficient attention to individual wellbeing. When animals become commodified, there are few limits on their use for meat and other products, so that the value of animals is determined by the marketplace, leading to animal exploitation and regard for them as a form of capital.
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Keywords (separated by '-')	Animals as capital - Commodification of animals
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# Introduction: For What Is the Animal But the Profits Thereof?

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## Abstract

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Intensive farming, or factory farming as it sometimes called, currently involves 4 between 50 and 60 billion animals per year. Its use increased following the 5 ravages of World War II, a fact often explained by advances in science and 6 technology, which were critical to feeding the world's population from the 7 mid-twentieth century. This book, however, argues that intensive production 8 was not so much driven by technology as by commercial and economic 9 imperatives, which technology was able to sustain. These imperatives had shaped 10 the animal product sector from at least the nineteenth century, along a “commod- 11 ification pathway” that may be described as a utility-driven means of animal 12 management, which objectifies animals as goods in the marketplace, prioritises 13 human uses and lacks meaningful engagement with ethical principles. In effect, 14 the pathway leads to the regulation of animals as bulk commodities, paying 15 insufficient attention to individual wellbeing. When animals become 16 commodified, there are few limits on their use for meat and other products, so 17 that the value of animals is determined by the marketplace, leading to animal 18 exploitation and regard for them as a form of capital. 19

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## Keywords

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Animals as capital · Commodification of animals

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## 22 1.1 Animals and Profit

23 The title for the introduction to this book is a wordplay on a statement made by  
24 Edward Coke (1552–1634) in 1628, “for what is the land but the profits thereof”.<sup>1</sup>  
25 Although not all dealings with land or animals are motivated by profit-seeking,  
26 transactions with both are based on property rights that “conceptually separate”<sup>2</sup>  
27 land and animals from the benefits of ownership. Farm animals in particular are  
28 exploited to produce meat, fibre and other products, in circumstances of total reliance  
29 on humans.<sup>3</sup> Yet, neither this vulnerability nor the fact that they are living beings in  
30 their own right has persuaded humans that they should not use animals in profit-  
31 driven ways.<sup>4</sup> Instead, as this book argues, farm animals have become increasingly  
32 commodified.

33 The word “animal” is used to describe non-human animals, and the term “farm  
34 animal(s)” refers to animals “kept or raised in captivity”, consistent with the defini-  
35 tion developed by the Food and Agriculture Organization (FAO) of the United  
36 Nations.<sup>5</sup> However, the FAO definition is very broad, ranging from cattle, sheep,  
37 pigs, poultry and camelids to insects such as silkworms and bees, while the scope of  
38 this book is more limited, focussing on sheep and cattle, with occasional references  
39 to pig and poultry production.<sup>6</sup> As explained in more detail in Sect. 1.4, one of the  
40 main reasons for this limitation ensues from the fact that sheep and cattle were the  
41 primary focus of regulation throughout the nineteenth century in the UK. This not  
42 only draws attention to animals who were important to law and policy throughout the  
43 formative years of regulatory regimes overseeing the animal product sector but also  
44 keeps the material manageable. At the same time, the term farm animal is not

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<sup>1</sup>Edward Coke, *The First Part of the Institutes of the Lawes of England*, Society of Stationers, London (1628), L 1 C 1 Sect 1 of Fee Simple 4 b, available from <https://play.google.com/books/reader?id=NOgyAAAAIAAJ&hl=en&pg=GBS.PA5>

<sup>2</sup>Robyn Bartel and Nicole Graham, “Property and Place Attachment: A Legal Geographical Analysis of Biodiversity Law Reform in New South Wales”, (2016) 54 (3) *Geographical Research*, 267, 270, 272, <https://doi.org/10.1111/1745-5871.12151>

<sup>3</sup>Dinesh Joseph Wadiwel, “Like One Who is Bringing his Own Hide to Market”, (2016) 21 (2) *Angelaki Journal of the Theoretical Humanities*, 65, 69, <https://doi.org/10.1080/0969725X.2016.1182725>

<sup>4</sup>F Bailey Norwood and Jayson L Lusk, *Compassion, by the Pound: The Economics of Farm Animal Welfare*, Oxford University Press, New York (2011) 66; Amanda Whitfort, “Justice and the Vulnerable: Extending the Duty to Prevent Serious Crimes Against Children to The Protection of Agricultural and Research Animals”, (2018) 39 *Adelaide Law Review*, 125, 128–132.

<sup>5</sup>*Constitution of the Food and Agriculture Organization of the United Nations*, opened for signature 16 October, 1945, [1945] ATS No 9, entered into force on 16 October, 1945; The FAO has 194 member nations, one organization and two associate members, available from <http://www.austlii.edu.au/au/other/dfat/treaties/1945/9.html>; Food and Agriculture Organization of the United Nations, *Livestock Statistics – Concepts, Definitions and Classifications*, FAO (2020), Sections II.1 II.2, available from <http://www.fao.org/economic/the-statistics-division-ess/methodology/methodology-systems/livestock-statistics-concepts-definitions-and-classifications/en/>

<sup>6</sup>Food and Agriculture Organization of the United Nations, *Livestock Statistics – Concepts, Definitions and Classifications*, above, 5.

universally favoured, with critics pointing to its connotations of financial gain.<sup>7</sup> 45  
Nevertheless, because the term identifies a subset of animals who are the focus of 46  
this book, it is used for that reason. 47

Worldwide, the manner in which farm animals are raised and sold presents 48  
significant regulatory challenges for animal wellbeing, a point exacerbated by the 49  
fact that intensive farming, or factory farming as it sometimes called, involves 50  
between 50 and 60 billion animals per year.<sup>8</sup> One of the challenges stems from the 51  
need to feed the world's population, bearing in mind that not all agricultural land can 52  
be used to grow crops.<sup>9</sup> Indeed, the demand for food has been used to explain the 53  
prevalence of intensified agricultural production following the end of World War 54  
II.<sup>10</sup> However, some 59% of the "world's crop calories are wasted", with 25% being 55  
squandered by consumers and retailers, 9% used on biofuels and 25–30% used as 56  
animal feed.<sup>11</sup> These statistics call into question whether better use could be made of 57  
existing crop yields, eliminating or substantially reducing the need for intensive 58  
animal production. 59

Intensive animal production also attracts criticism because of its entrenched 60  
institutionalised cruelty, a fact acknowledged from the 1960s with the publication 61  
of Ruth Harrison's *Animal Machines*.<sup>12</sup> Although advances in animal husbandry and 62  
veterinary science have resulted in animals being healthier today than they were in 63  
previous centuries, pressures of production also mean that today's animals lead 64  
poorer quality lives "than those of their ancestors".<sup>13</sup> One of the main reasons for 65  
this development derives from the fact that the view of farm animals as manufactured 66

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<sup>7</sup>F Bailey Norwood and Jayson L Lusk, *Compassion, by the Pound: The Economics of Farm Animal Welfare*, above 4, 66.

<sup>8</sup>Compassion in World Farming, indicates over fifty billion per year, *Ending Factory Farming*, available from, <https://www.ciwf.org.uk/factory-farming/>; Gary L Francione, "The Abolition of Animal Exploitation" in Gary L Francione and Robert Garner (eds), *The Animal Rights Debate: Abolition or Regulation?*, 1, 2, Columbia University Press, (2010), estimates 56 billion animals per year; Dinesh Joseph Wadiwel, "Like One Who is Bringing his Own Hide to Market", above 3, 65, estimates over 60 billion per year.

<sup>9</sup>Gordon Gatward, "*Livestock Ethics*", Chalcombe Publications, Lincoln (2001), 10.

<sup>10</sup>Tim Lang, "Achieving Access to Ethical Food: Animal and Human Health Come Together" in Jacky Turner and Joyce D'Silva (eds), *Animals, Ethics and Trade*, 261, 263, Earthscan (2006).

<sup>11</sup>Emily S Cassidy, Paul C West, James S Gerber and Jonathan A Foley, "Redefining Agricultural Yields: from Tonnes to People Nourished per Hectare" (2013) 8 *Environmental Research Letters*, 1, 4–5, <https://doi.org/10.1088/1748-9326/8/3/034015>; additional discussion, Compassion in World Farming, web site, *Ending Factory Farming*, available from, <https://www.ciwf.org.uk/factory-farming/>

<sup>12</sup>Ruth Harrison, *Animal Machines*, first published 1964 by Vincent Stuart Publishers, 2013 Edition J Harrison and J Wilson, CABI Oxfordshire (2013); Donald M Broom, "Ruth Harrison's Later Writings and Animal Welfare Work", in Ruth Harrison, *Animal Machines*, 21, 21, Vincent Stuart Publishers, 2013 Edition J Harrison and J Wilson, CABI Oxfordshire (2013).

<sup>13</sup>Peter Sandøe, Stine B Christiansen and Björn Forkman, "Animal Welfare: What is the Role of Science?" in Jacky Turner and Joyce D'Silva (eds), *Animals, Ethics and Trade*, 41, 46, Earthscan (2006); David Harvey and Carmen Hubbard, "Reconsidering the Political Economy of Farm Animal Welfare: An Anatomy of Market Failure", (2013) 38 *Food Policy*, 105, 106.

67 and tradeable goods, apparent from at least the nineteenth century, has strengthened  
68 with the passage of time.<sup>14</sup>

69 This is a curious development, if it is kept in mind that the earliest anti-cruelty  
70 laws, initiated in the United Kingdom (UK) in 1822, proscribed cruelty to farm  
71 animals, specifically cattle.<sup>15</sup> Yet almost 100 years later, farm animals are arguably  
72 far less protected than other animals, such as household pets. One proffered expla-  
73 nation is that humans have long used farm animals in accordance with “exploitation  
74 principle[s]”,<sup>16</sup> so that intensified production became the natural goal of the sector.<sup>17</sup>  
75 In reality, while advances in technology from the mid-twentieth century are thought  
76 to have initiated intensified animal production, such advances were not unique to  
77 that century, with innovations in refrigeration and transportation already having  
78 stimulated intensive production from the nineteenth century.<sup>18</sup> As Gunderson  
79 argues, one needs to look behind technology to understand that the sector was  
80 propelled by economic incentives where “capital’s blind drive for self-expansion  
81 and self-accumulation” shaped the animal product sector.<sup>19</sup> Accordingly, market  
82 expansion and intensive animal farming were not so much driven by technology, as  
83 by commercial and economic imperatives, which technology was able to sustain.

84 For these reasons, this book argues that the building blocks of intensive produc-  
85 tion can be traced to events of the nineteenth and early twentieth centuries, when  
86 authorities laid the foundations for regulating animal production but failed to deal  
87 meaningfully with animal wellbeing, let alone threshold issues regarding the legiti-  
88 macy of animal use. This period saw the instigation of anti-cruelty legislation,  
89 growing societal interest in preventing cruelty to animals, increasing importance of  
90 veterinary science and the negotiation of international instruments to manage trade  
91 in the sector. Throughout these initiatives, science and technology provided the  
92 means for satisfying market demand and fulfilling ever-growing commercial  
93 objectives. However, commercial and economic imperatives paved the way, not

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<sup>14</sup>Gordon Gatward, “*Livestock Ethics*”, above 9, 9; Ben Mepham, “The Ethical Matrix as a Decision-making Tool, With Specific Reference to Animal Sentience” in Jacky Turner and Joyce D’Silva (eds), *Animals, Ethics and Trade*, 134, 141, Earthscan (2006).

<sup>15</sup>1822, *An Act to Prevent the Cruel and Improper Treatment of Cattle 1822*, (3 Geo IV c 71), *The Statutes of the United Kingdom of Great Britain and Ireland 3 George IV. 1822*, his Majesty’s statute and law printers London, sold by Butterworths and son, 403, available from

<https://archive.org/details/statutesunitedk10britgoog/page/n436>

<sup>16</sup>Steven M Wise, “Entitling Non-Human Animals to Fundamental Legal Rights on the Basis of Practical Autonomy”, in Jacky Turner and Joyce D’Silva (eds), *Animals, Ethics and Trade*, 87, 92, Earthscan (2006).

<sup>17</sup>Compassion in World Farming, web site, *Ending Factory Farming*, available from, <https://www.ciwf.org.uk/factory-farming/>

<sup>18</sup>John P Huttman, “British Meat Imports in the Free Trade Era”, (1978) 52 (2) *Agricultural History*, 247, 259.

<sup>19</sup>Ryan Gunderson, “From Cattle to Capital: Exchange Value, Animal Commodification, and Barbarism”, (2011) 39 (2) *Critical Sociology*, 259, 259–260. In addition, an entire volume has been devoted to the subject, Brett Clark and Tamar Diana Wilson (eds), *The Capitalist Commodification of Animals*, Volume 35, Emerald Publishing Limited, Bingley UK (2021).

only recruiting technology and science but also exerting political influence over law and policy, so that farm animals came to be regulated as commodities in the marketplace.<sup>20</sup>

The notion of a commodity is central to this book and is discussed in more detail in Sect. 1.2, as well as Chap. 6. It forms the basis of the “commodification pathway”, which may be described as a utility-driven means of animal management, which objectifies animals as goods in the marketplace, prioritises human uses and lacks meaningful engagement with ethical principles. In effect, the pathway leads to the regulation of animals as bulk commodities, paying insufficient attention to individual wellbeing. As such, the concept can extend beyond farm animals to situations such as puppy farms, where animals are arrogated to human uses and managed in accordance with substandard industry practices.<sup>21</sup>

In the context of farm animals, the pathway evolved in stages, each step viewing animals as goods in trade. The origins of the first stage stem from expanding urbanisation during the eighteenth and nineteenth centuries, leading to escalating demand for animal products.<sup>22</sup> Technology was important to this trend because advances in refrigeration and transportation allowed producers to meet this demand. The second stage derives from the way society managed its relationship to farm animals. Although the nineteenth century saw the beginnings of a strong anti-cruelty movement, market expansion occurred against the backdrop of high levels of acceptable violence against animals. This is not to say that animal wellbeing had been ignored throughout history. It had been a matter of concern from ancient times, and for many religions, including Islam, Buddhism and Hinduism.<sup>23</sup> In addition, while domination over animals was reinforced by Judaeo-Christian beliefs,<sup>24</sup> this tenet was accepted from antiquity.<sup>25</sup> Similarly, sporadic regulation such as *An Act Against Plowing by the Tayle, and Pulling the Wooll Off Living Sheep 1635*

<sup>20</sup>Chris Otter, “The Vital City: Public Analysis, Dairies and Slaughterhouses in Nineteenth-century Britain,” (2006) 13 *Cultural Geographies*, 517, 517; Gergely Baics and Mikkel Thelle, “Introduction: Meat and the Nineteenth-Century City” (2017) *Urban History*, 1, 1, <https://doi.org/10.1017/S0963926817000414>; Richard Perren, *Taste, Trade and Technology: the Development of the International Meat Industry Since 1840* (First published 2006 Ashgate) Routledge (2017), 50; Karen Raber, “From Sheep to Meat, From Pets to People”, in Matthew Senior, Matthew (ed), *A Cultural History of Animals in the Age of Enlightenment*, Berg (2011) 73, 73.

<sup>21</sup>Kimberley Smith, *Governing Animals Animal Welfare and the Liberal State*, Oxford University Press, New York (2012), 92.

<sup>22</sup>Robert C Allen, “Why was the Industrial Revolution British?”, (2009) 4 *Oxonomics*, 50, 52; Mark B Tauger, *Agriculture in World History*, Routledge (2011), 103.

<sup>23</sup>E Szűcs, R Geers, E N Sossidou and D M Broom, “Animal Welfare in Different Human Cultures, Traditions and Religious Faiths”, (2012) 25 (11) *Asian-Australian Journal of Animal Sciences*, 1499, 1501–1503, <https://doi.org/https://doi.org/10.5713/ajas.2012.r.02>

<sup>24</sup>Andreas-Holger Maehle, “Cruelty and Kindness to the ‘Brute Creation’: Stability and Change in the Ethics of the Man-Animal Relationship 1600–1850”, in Aubrey Manning and James Serpell, (eds) *Animals and Human Society Changing Perspectives*, Routledge (1994), 81, 82, 86–7.

<sup>25</sup>Andrew Linzey, *Creatures of the Same God: Explorations in Animal Theology*, Lantern Books, New York (2009), 10–12.

120 (Ireland)<sup>26</sup> and the *Massachusetts Body of Liberties 1641*<sup>27</sup> prohibited specific acts  
121 of cruelty against animals, but these prohibitions were not widespread. In the UK, it  
122 was not until the passage of the 1822 Cattle Act that the concept of anti-cruelty  
123 gained momentum.<sup>28</sup> As already noted, this legislation specifically targeted farm  
124 animals, yet by the late nineteenth century, when market expansion, both domesti-  
125 cally and internationally, was in full swing, the treatment of farm animals was of  
126 secondary importance to profitability of the sector. The third stage involves advances  
127 in veterinary science that concentrated on diseases, such as sheep pox and cattle  
128 plague, which were important to trade. This focus was also reflected in treaties of the  
129 nineteenth and twentieth centuries, which regulated international trade and which in  
130 common with national regimes used veterinary knowledge to shape the notion of  
131 animal wellbeing to suit market demands.

132 These stages, all steppingstones in the commodification pathway, created settled  
133 frameworks before World War II, which governed animals in ways that increased  
134 their production value. Accordingly, farm animals were regarded as “eating  
135 machines”, readily converted to “eggs, oven-ready chickens, or beefsteaks as  
136 quickly as possible”.<sup>29</sup> By the time of World War II, farm animal production had  
137 already moved away from a system based on animal stewardship, towards one based  
138 on intensive production.<sup>30</sup> This transformation raised issues concerning the extent to  
139 which the market should be regulated, how it should be regulated and who should  
140 regulate it, issues that to this day have not been satisfactorily addressed.<sup>31</sup>

141 In truth, society finds it difficult to reconcile their relationship with animals  
142 because of the many and contradictory ways humans relate to them: people eat  
143 animals, use them, keep them as pets, admire them, experiment on them and  
144 understand that they feel pain and suffering.<sup>32</sup> Some, such as Nussbaum, argue  
145 that animals are entitled to dignity, to “flourish” as their species was intended to.<sup>33</sup>  
146 This last point extends the debate far beyond superficial nods to animal sentience and

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<sup>26</sup>Richard Ryder, *Animal Revolution*, Basil Blackwell (1989), 53–54; detailed discussion Piers Beime, *Confronting Animal Abuse: Law, Criminology and Human-Animal Relationships*, Rowman and Littlefield (2009), Chap. 1, 21–67.

<sup>27</sup>*Massachusetts Body of Liberties 1641*, paragraphs 92 and 93, available from <https://history.hanover.edu/texts/masslib.html>

<sup>28</sup>Linda Kalof, *Looking at Animals in Human History*, Reaktion Books (2007), 51–52, 89.

<sup>29</sup>F M L Thompson, “The Second Agricultural Revolution, 1815–1880”, (1968) 21 (1) *The Economic History Review*, 62, 65.

<sup>30</sup>Harriet Friedman and Philip McMichael, “Agriculture and the State System, the Rise and Decline of National Agricultures, 1870 to the Present”, (1989) XXIX-2 *Sociologia Ruralis*, 93, 106.

<sup>31</sup>Roger Horowitz, Jeffrey M. Pilcher, and Sydney Watts, “Meat for the Multitudes: Market Culture in Paris, New York City, and Mexico City over the Long Nineteenth Century”, (2004) 109 (4) *American Historical Review*, 1055, 1057–1058.

<sup>32</sup>F Bailey Norwood and Jayson L Lusk, *Compassion, by the Pound: The Economics of Farm Animal Welfare*, above 4, 31.

<sup>33</sup>Martha C Nussbaum, “Beyond ‘Compassion and Humanity’: Justice for Nonhuman Animals”, in Cass R Sunstein and Martha C Nussbaum (eds) *Animal Rights, Current Debates and New Directions*, 299, 305–306, Oxford University Press New York (2004).

DIAGRAM ONE - TIMELINE

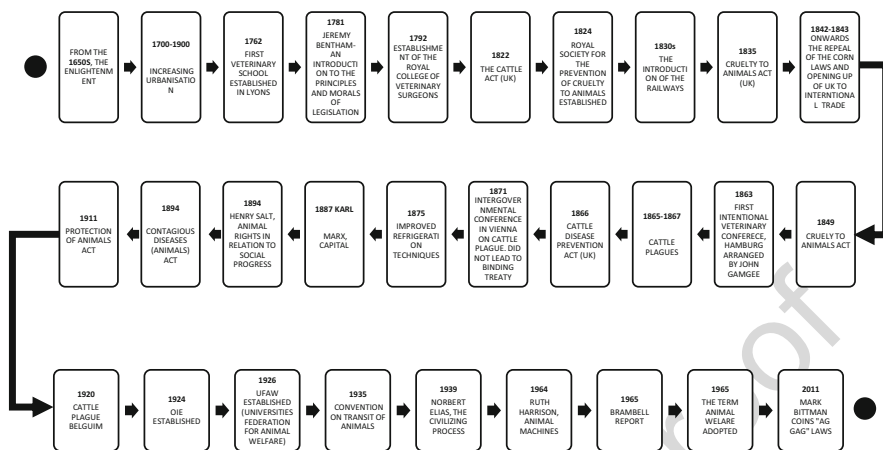


Fig. 1.1 Timeline

turns a spotlight on the legitimacy of human “domination of the animal world”, as well as society’s complicity in failing to deal with institutionalised cruelty in production systems.<sup>34</sup> As the discussion in this book develops, the arguments increasingly link commodification to state-sanctioned violence against farm animals, so that by the last chapter this theme culminates in arguments that articulate how economic biases support violence becoming entrenched in law and policy.

The book however does not provide detailed economic analyses, instead identifying and examining “relational webs” which emerged during the nineteenth and early twentieth centuries.<sup>35</sup> A timeline, labelled in Fig. 1.1, sets out the main events that occurred during the period under discussion. In particular, the material evaluates how and why stakeholders gained and exercised power during this time. This form of historical analysis allows conceptualisation of a frame of reference,<sup>36</sup> which helps society understand why policies of the nineteenth and early twentieth centuries have been so long-lived, outlasting their initial relevance by compelling regimes in the twenty-first century to continue regulating animals as commodities. Clearly, topics dealing with commodities, commodification and capital are central to this discussion and are taken up later in this book; however, it is helpful to furnish some background material at this point.

<sup>34</sup> Abigail Woods, “From Cruelty to Welfare: The Emergence of Farm Animal Welfare in Britain, 1964–71”, (2011) 36 (1) *Endeavour*, 14, 16.

<sup>35</sup> Kristin Hoganson, “Meat in the Middle: Converging Borderlands in the U.S. Midwest, 1865–1900”, (2012) 98 (4) *The Journal of American History*, 1025, 1026.

<sup>36</sup> Andrew Linzey, *Creatures of the Same God, Explorations in Animal Theology*, above 25, 5.



## 1.2 Commodities, Commodification and Capital

References to commodities, commodification and capital with respect to farm animals are found throughout the literature and identify three major points: how the use of animals' bodies for meat and products commodifies them<sup>37</sup>, how the value of animals is determined by the marketplace<sup>38</sup> and how trade in animals and their products is predicated on endless growth, leading to animal exploitation and regard for them as a form of capital.<sup>39</sup>

Although each of these points deals with specific facets of animal commodification, the foundation rests on broader questions pertaining to humanity's relationship with farm animals. In particular, these questions underscore the links between capitalism and commodification, probing how both concepts lead to substandard animal wellbeing. Although commodification is often seen as the opposite of treating animals as sentient beings, the latter does not stop the use of animals, with the dividing line being sufficiently fine for Gary Francione to observe that veganism, which proscribes animal use, is critical to ensuring that animals are not looked upon as commodities.<sup>40</sup> Although Francione argues this point based on ethical reasons, in practical terms, the very fact that society puts a price on animals and their products reconstructs both into little more than "consumer goods", governed by the vagaries of the marketplace.<sup>41</sup> The dominance of economic priorities is not new, with Linda Kalof describing commodification in the seventeenth century as a pathway to "untold misery" and suffering by animals.<sup>42</sup>

Commodification effectively objectifies animals and reduces them to a means of generating products and profits for humans.<sup>43</sup> However, even beyond these goals, producers also regard animals as "commodities of exchange for profit", in other

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<sup>37</sup> Carol J Adams, *The Sexual Politics of Meat*, Continuum, New York (2010 anniversary edition), 51.

<sup>38</sup> Kimberley Smith, *Governing Animals Animal Welfare and the Liberal State*, above 21, 87.

<sup>39</sup> Christian Stache, "Conceptualising Animal Exploitation in Capitalism: Getting Terminology Straight", (2020) 44(3) *Capital and Class*, 401, 417, available from <https://journals.sagepub.com/doi/abs/10.1177/0309816819884697>

<sup>40</sup> F Bailey Norwood and Jayson L Lusk, *Compassion, by the Pound: The Economics of Farm Animal Welfare*, above 4, 31; Gary L Francione, "The Abolition of Animal Exploitation", above 8, 62.

<sup>41</sup> Virginia De John Anderson, *Creatures of Empire, How Domestic Animals Transformed Early America*, Oxford University Press (2004), 68; Kimberley Smith, *Governing Animals Animal Welfare and the Liberal State*, above 21, 87.

<sup>42</sup> Linda Kalof, *Looking at Animals in Human History*, above 28, 135.

<sup>43</sup> Josephine Donovan, "Aestheticizing Animal Cruelty", (2011) 38 (4) *College Literature*, 202, 203, 211;

Charles Thorpe and Brynna Jacobson, "Abstract Life, Abstract Labor, Abstract Mind" in Brett Clark and Tamar Diana Wilson (eds), *The Capitalist Commodification of Animals*, 59, 97, Volume 35, Emerald Publishing Limited, Bingley UK (2021).

words as a form of capital.<sup>44</sup> Carol J. Adams describes the process as derogating animals to the status of “absent referents”, so that the animal and its death are forgotten and separated from the goods and profit created out of its body.<sup>45</sup> This process is particularly significant for the animal product sector because the measure of a robust economy includes rates of consumption, thereby absorbing farm animals “into the world of commodities”, treating them more as a means of accumulating wealth and generating capital, rather than producing food.<sup>46</sup>

For some, these developments represent a problem that can be pinned down to the way capitalism operates, although others question whether a different system would lead to a better outcome for animals, without impacting livelihoods in the sector.<sup>47</sup> A major difficulty derives from the fact that while it is theoretically possible for the government to restrict the way society uses animals, the government is already complicit in the economic biases that shape the sector.<sup>48</sup> Law and policy ostensibly protect animals from cruelty, yet invariably exceptions permit routine husbandry practices and intensive farming, subordinating animal wellbeing to commercial imperatives.<sup>49</sup> This situation exists because animals are objects rather than subjects of the law. Consequently, the law allows owners to create and unlock surplus value in their animals by way of intensive production and the tenets of the marketplace, every stage being sanctioned and facilitated by the state.<sup>50</sup>

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<sup>44</sup>Dinesh Joseph Wadiwel, “Like One Who is Bringing his Own Hide to Market”, above 3, 69; John Bellamy Foster and Brett Clark, “Marx and Alienated Speciesism”, (2018) 70 (7) *Monthly Review*, 1, 14, [https://doi.org/10.14452/MR-070-07-2018-11\\_1](https://doi.org/10.14452/MR-070-07-2018-11_1)

<sup>45</sup>Carol J Adams, *The Sexual Politics of Meat*, above 37, 51.

<sup>46</sup>Matthew Hilton, *Consumerism in Twentieth-Century Britain: The Search for a Historical Movement*, Cambridge University Press (2003), 4; Ryan Gunderson, “From Cattle to Capital: Exchange Value, Animal Commodification, and Barbarism”, above 19, 261; Brett Clark and Tamar Diana Wilson, “The Capitalist Commodification of Animals: A Brief Introduction”, in Brett Clark and Tamar Diana Wilson (eds), *The Capitalist Commodification of Animals*, 1, 1, Volume 35, Emerald Publishing Limited, Bingley UK (2021).

<sup>47</sup>Steven McMullen, *Animals and the Economy*, Palgrave Macmillan (2016), 4; John Bellamy Foster and Brett Clark, “Marx and Alienated Speciesism”, above 44, 12.

<sup>48</sup>Steven McMullen, *Animals and the Economy*, above 47, 4.

<sup>49</sup>Pamela Fiber-Ostrow and Jarret S Lovell, “Behind a Veil of Secrecy: Animal Abuse, Factory Farms, and Ag-Gag Legislation”, (2016) 19 (2) *Contemporary Justice Review*, 230, 230, <https://doi.org/10.1080/10282580.2016.1168257>; Dinesh Joseph Wadiwel, “Like One Who is Bringing his Own Hide to Market”, above 3, 74–75.

<sup>50</sup>Karl Marx, “*Capital, A Critique of Political Economy*”, Volume II Book One: The Process of Circulation of Capital, Progress Publishers, Moscow, USSR, first published in German in 1885, English edition first published in 1956, 122, available from <https://www.marxists.org/archive/marx/works/download/pdf/Capital-Volume-II.pdf>

208 **1.3 Structure of the Book**

209 The book is arranged so that Chaps. 2, 3, 4 and 5 each deal with a specific  
210 steppingstone of the commodification pathway, while Chap. 6 deals with the ethical  
211 consequences of that pathway, and Chap. 7 looks to the future.

212 The first steppingstone, discussed in Chap. 2, is market expansion, which saw  
213 supply and demand increase throughout the nineteenth century, extending the animal  
214 product sector both domestically and internationally. The UK was at the centre of  
215 these developments, as its population transformed from a predominantly rural  
216 society to one based on the manufacture and consumption of industrialised goods  
217 and services.<sup>51</sup> Animals and their products, once raised for personal or community  
218 use, came to be regarded as a commodity, manufactured for the mass market and for  
219 profit. Accordingly, consumerism created a cycle of supply and demand  
220 reconstructing agriculture into a commercial undertaking and laying the foundations  
221 for economies of scale and perceptions of farm animals as industrial goods.

222 Chapter 3 deals with the Enlightenment and its influence on the human-farm  
223 animal relationship. The period was one of scientific and social progresses where  
224 rationality and reason became the analytical lenses for scrutinising all levels of  
225 society. However, until the end of the eighteenth century, the focus on logic, reason  
226 and cognition underscored differences between humans and animals, reinforcing  
227 religious views that animals were not an appropriate subject for moral concern.<sup>52</sup>  
228 This casts a metaphorical shadow over attempts to include animals within  
229 humanity's social and moral spheres, until the issue was re-framed as one of  
230 sentience rather than reason.<sup>53</sup> Accordingly, from the nineteenth century, the ethical  
231 basis of human-animal relationships centred on utilitarianism,<sup>54</sup> which in a legal  
232 context resulted in the passage of a range of anti-cruelty legislation. However, in  
233 somewhat of a paradox, the focus on sentience stymied deeper evaluation of the  
234 legitimacy of using animals, especially in intensive agricultural systems. Against this  
235 backdrop, animal pain and suffering acquired nuanced meanings, depending less on  
236 animal sentience and more on the uses humans had for the animal. Consequently, by  
237 the twentieth century, the protection afforded to farm animals eroded to a level that  
238 was lower than protection afforded to other domestic animals, such as companion  
239 animals.<sup>55</sup>

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<sup>51</sup>R M Hartwell, *The Industrial Revolution and Economic Growth*, Methuen and Co Ltd. (1971), 158.

<sup>52</sup>John Passmore, "The Treatment of Animals", (1975) 36 (2) *Journal of the History of Ideas*, 195, 202.

<sup>53</sup>Gary Steiner, *Anthropocentrism and its Discontents*, University of Pittsburgh (2005), 153.

<sup>54</sup>Gary L Francione, "Animal Welfare and the Moral Value of Nonhuman Animals", (2010) 6 (1) *Law, Culture and the Humanities*, 24, 26.

<sup>55</sup>For example, *European Convention for the Protection of Pet Animals 1987*; the Convention was adopted on 13 November 1987, ETS No 125 (entered into force 1 May 1992) and had 24 ratifications as of July 2019, available from <https://rm.coe.int/168007a67d>. Preamble recognises the special relationship pets have with humans; Elizabeth Ann Overcash, "Unwarranted Discrepancies in the

Chapter 4 discusses the regulatory consequences of animal disease, predominantly during the latter part of the nineteenth century, concentrating on the UK, for reasons set out more fully in Sect. 1.4. During this time, the veterinary profession came under increasing scrutiny, particularly for its early failures to control cattle plague, which led to calls for improved training and stricter licensing conditions.<sup>56</sup> By the time the plagues of the 1860s had died down, veterinarians were positioned as gatekeepers, acquiring formal roles as government inspectors and certifiers of animal health. This rise in the status of the profession also saw the initiation of professional gatherings, designed to share knowledge and ideas. Nevertheless, these developments occurred against the backdrop of growing trade and commerce in the sector, leading to animal disease being regarded as a trade issue. Consequently, animal health became subsumed into the practicalities of market transactions and the merchantability of goods, thereby providing a further steppingstone towards commodification.

Chapter 5 evaluates how the evolution of international instruments dealing with quarantine, trade in animals and disease prevention shaped the notion of animal wellbeing in an international context. This chapter proceeds from Chap. 4 because as the trade in farm animals and their products became more globalised, it required safeguards against the transmission of disease across international boundaries.<sup>57</sup> Accordingly, international markets followed the pathway already set at the national level, harnessing advances from veterinary science to support trade.<sup>58</sup> Consequently, trading partners negotiated treaties requiring inspections and certification of shipments as part of quarantine regulation. As with national jurisdictions, this resulted in animal disease being seen as a trade issue but this time equated with the “global good” deriving from international trade.<sup>59</sup> Thus, the focus on disease-free shipments contributed greatly to commodification because animals were seen in terms of bulk shipments, which international trade promoted, rather than individual living beings.

Chapter 6 draws together the threads of arguments presented in the preceding four chapters, addressing why anti-cruelty regulation of the nineteenth century, and animal welfare regulation of the twentieth century, did not lead to greater ethical

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Advancement of Animal Law: the Growing Disparity in Protection Between Companion Animals and Agricultural Animals”, (2012) 90 *North Carolina Review*, 837, 864–872.

<sup>56</sup>Veterinary Surgeons Act 1881, 44 & 45 Victoria c 62, Preamble, The Public General Statutes Passed in the Forty Fourth and Forty Fifth Years of the Reign of Her Majesty Queen Victoria, Printed by G.E. Eyre and W. Spottiswoode, printers to the Queen and W. Clowes and Sons, printers to the Council of Law Reporting, London, (1881), 371, available from <https://archive.org/details/publicgeneralst05walegoog/page/n385>; discussion, Paul Brassley, “Animal Health and Veterinary Medicine”, in Joan Thirsk (general editor) *The Agrarian History of England and Wales* Volume VII 1850–1914, Part 1, 587, 591, Cambridge University Press (2000).

<sup>57</sup>R M Hartwell, *the Industrial Revolution and Economic Growth*, above 51, 207–210.

<sup>58</sup>Ibid, 218.

<sup>59</sup>Mark Harrison, “A Global Perspective: Reframing the History of Health, Medicine, and Disease”, (2015) 89 (4) *Bulletin of the History of Medicine*, 639, 642.

271 treatment of farm animals. Given that from the nineteenth century, market growth in  
272 the sector was accompanied by anti-cruelty legislation, an increasing number of  
273 animal protection organisations as well as general critiques of the sector, the  
274 question “Whither Ethics?” is an important one.<sup>60</sup> The heart of the regulatory  
275 dilemma is centred on how to support production and trade while simultaneously  
276 dealing with cruelty and animal disease. By the end of the nineteenth century,  
277 resolution of this predicament had been set in favour of commerce and trade,  
278 exacerbated by the duplicity of national regulation, which dealt with only the  
279 worst cases of cruelty and which was reinforced by treaties at the international  
280 level, which rarely concerned themselves with animal wellbeing.

281 These developments ensured that farm animals were primarily treated as articles  
282 of trade and their wellbeing subject to the whims of the marketplace.<sup>61</sup> Within these  
283 structures, the individual animal became invisible, subsumed into the merchantabil-  
284 ity of the whole, receiving only what little protection the market could spare.  
285 Chapter 6 concludes by evaluating animal commodification and exploitation against  
286 the theoretical framework of Karl Marx’s (1818–1883) *Capital*, particularly his  
287 explanation of different forms of value.<sup>62</sup>

288 Chapter 7, the last substantive chapter of the book, looks to the future by  
289 examining animal commodification in the context of Norbert Elias’s civilising  
290 process.<sup>63</sup> Elias argues that Western European society, from the Middle Ages to  
291 the turn of the twentieth century, has steadily become less violent as a result of  
292 increasing disgust and repugnance at violence.<sup>64</sup> Elias’s work can be extrapolated to  
293 farm animals because violence is an inherent part of animal production. A critical  
294 feature of Elias’s theory is that the state holds a monopoly over violence, which it  
295 should use to pacify society and thus diminish individual and group violence.<sup>65</sup> In  
296 addition, farm animals are completely reliant on humans, linking violence against  
297 them with society’s prevailing stage of civilisation. Although Elias’s work is histori-  
298 cal in nature, the civilising process is relevant to understanding current regimes  
299 because it identifies gaps and weaknesses, highlighting areas in need of reform.

300 At the same time, the civilising process is subject to de-civilising forces that shape  
301 and sway the progress of civilisation, including the content and implementation of  
302 law and policy. The political power wielded by the animal product sector has  
303 emerged as just such a de-civilising force, evident by the anomaly of regulatory  
304 capture and the introduction of “Ag-Gag” laws, which limit the ability of whistle

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<sup>60</sup> Kimberley Smith, *Governing Animals Animal Welfare and the Liberal State*, above 21, 28.

<sup>61</sup> F Bailey Norwood and Jayson L Lusk, *Compassion, by the Pound: The Economics of Farm Animal Welfare*, above 4, 258.

<sup>62</sup> Karl Marx, “*Capital, A Critique of Political Economy*”, above 50.

<sup>63</sup> Norbert Elias, *The Civilizing Process, Sociogenetic and Psychogenetic Investigations*, Blackwell Publishing, UK (Revised Edition 2000).

<sup>64</sup> Stephen Mennell, “Civilizing Processes”, (2006) 23 (2–3) *Theory, Culture and Society*, 429, 429.

<sup>65</sup> Stephen Quilley, “The Land Ethic as an Ecological Civilizing Process: Aldo Leopold, Norbert Elias, and Environmental Philosophy”, (2009) 31 (2) *Environmental Ethics*, 115, 115.

blowers to inform regulators and the public of substandard production practices.<sup>66</sup> 305  
 These events have afforded a substantial degree of ascendancy to market forces, 306  
 which will continue to exert de-civilising pressures if not counterbalanced. 307

## 1.4 Scope and Limits of the Book

308

The scope of this book is limited by the jurisdictions and periods selected for 309  
 discussion. With respect to the former, Chaps. 2 and 3 focus on the UK, and 310  
 Chaps. 4 and 5 provide a more international perspective, while Chaps. 6 and 7 311  
 draw examples as appropriate. The time span concentrates on the nineteenth to 312  
 mid-twentieth centuries, although the discussion also touches on earlier and later 313  
 events where relevant. In particular, Chaps. 6 and 7 extend beyond the mid-twentieth 314  
 century to identify how the commodification pathway unfurled after the adoption of 315  
 animal welfare policies. 316

The UK has been selected as the focus of this book for a number of reasons. First, 317  
 the UK Parliament enacted some of the earliest anti-cruelty laws, and they became 318  
 influential in common law countries around the world, including Australia, 319  
 New Zealand and North America.<sup>67</sup> Second, by enacting these laws, the UK 320  
 indicated that societal concern at animal cruelty was a valid reason for government 321  
 intervention, creating the (unrealised) potential for strong regulation of the sector.<sup>68</sup> 322  
 Third, during the time under discussion, the UK was the centre of the global trade in 323  
 animals and their products.<sup>69</sup> Although increasing demand for animal products was 324  
 not unique to the UK,<sup>70</sup> their markets drove the demand because they were a nation 325  
 of meat eaters who regarded animal products as a mark of good health and status.<sup>71</sup> 326  
 Indeed at the turn of the twentieth century, the “British market continued to absorb 327  
 over 60% of the world meat trade”.<sup>72</sup> 328

<sup>66</sup> Discussion in Chap. 7, Sect. 7.4.1 of this book.

<sup>67</sup> David S Favre and Vivien Tsang, “The Development of Anti-Cruelty Laws During the 1800s” (1993) Spring (1) *Detroit College of Law Review*, 1, 2.

<sup>68</sup> David Harvey and Carmen Hubbard, “Reconsidering the Political Economy of Farm Animal Welfare: An Anatomy of Market Failure”, above 13, 107.

<sup>69</sup> Felicity Barnes and David M. Higgin, “Brand Image, Cultural Association and Marketing: ‘New Zealand’ Butter and Lamb Exports to Britain, C. 1920–1938”, (2017): *Business History*, <https://doi.org/10.1080/00076791.2017.1344223>, 1, 3–4.

<sup>70</sup> Roger Horowitz, Jeffrey M. Pilcher, and Sydney Watts, “Meat for the Multitudes: Market Culture in Paris, New York City, and Mexico City over the Long Nineteenth Century”, above 31, 1057.

<sup>71</sup> Patrick Karl O’Brien, “Path Dependency, or Why Britain Became an Industrialized and Urbanized Economy Long before France”, (1996) 49 (2) *The Economic History Review*, 231, 239; Chris Otter, “The Vital City: Public Analysis, Dairies and Slaughterhouses in Nineteenth-century Britain”, above 20, 526.

<sup>72</sup> I R Phimister, “Meat and Monopolies: Beef Cattle in Southern Rhodesia, 1890–1938”, (1978) 19 (3) *The Journal of African History*, 391, 392.

329 With respect to the time frame of this book, the nineteenth to mid-twentieth  
330 centuries were periods of significant change. Notwithstanding the fact that commod-  
331 ification of farm animals had started from at least the sixteenth century, the most  
332 profound changes occurred during the nineteenth to mid-twentieth centuries.<sup>73</sup> This  
333 period saw the growth of markets, scientific and technological advances as well as  
334 the establishment of animal protection organisations. The tussle for dominance that  
335 ensued led to a form of “corporate capitalism” which irretrievably fractured the  
336 bonds of animal stewardship, so that raising animals came to be regarded as a means  
337 of raising capital, commodifying animals and acting as a stumbling block to mean-  
338 ingful reform.<sup>74</sup>

339 Finally, two additional points warrant special mention. Although Chaps. 4 and 5  
340 critique the role of the veterinary profession, this is not intended to critique the work  
341 of veterinarians. Anyone who has had the privilege of sharing their life with a  
342 companion animal, or indeed any other kind of animal, will know first-hand the  
343 amazing work the profession does. Rather, the critique is aimed at government and  
344 industry who then as now harness the expertise and dedication of veterinarians for  
345 overtly economic gain.

346 Last but not least, the book deliberately avoids delving into the animal welfare/  
347 animal rights debate, because strictly speaking it is not necessary for the study that  
348 has been undertaken. Nevertheless, the book is highly critical of the way anti-cruelty  
349 regulation and subsequently animal welfare regulation has evolved in a commercial  
350 context, indicating that something beyond the utilitarian underpinnings of animal  
351 welfare is required to improve the plight of farm animals.

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