BARONS

MONEY, POWER, AND THE CORRUPTION
OF AMERICA'S FOOD INDUSTRY



AUSTIN FRERICK
FOREWORD BY ERIC SCHLOSSER

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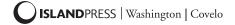
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Barons

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MONEY, POWER, AND THE CORRUPTION OF AMERICA'S FOOD INDUSTRY

Austin Frerick



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Foreword

Adam Smith didn't like monopolies. Thegreat theorist and champion of capitalism believed that free markets were essential for the creation of an ideal society, one that would be guided by "a liberal plan of equality, liberty, and justice." His most influential book, The Wealth of Nations (1776), offe ed a savage critique of mercantilism and "the wretched spirit of monopoly" that guided economic policies during the eighteenth century.² The book was partly inspired by the predatory behavior of the East India Company, which dominated Great Britain's colonial trade. While celebrating entrepreneurial risk-taking, Smith warned that merchants and manufacturers were "an order of men, whose interest is never exactly the same with that of the public, who have generally an interest to deceive and even to oppress the public." They would always try to limit competition, gain excessive profits, and "levy, for their own benefit, an absurd tax upon the rest of their fellow-citizens."4 Any new laws or government regulations proposed by merchants and manufacturers should be regarded with suspicion—and never adopted without careful scrutiny, Smith argued. Unchecked market power was antithetical to individual rights and "a system of natural liberty."5

The Founding Fathers of the United States shared Adam Smith's views of monopoly power. The Boston Tea Party, a pivotal event in the years leading to the American Revolution, was provoked not only by the tax policies of the British government but also by the monopoly on tea imports granted to the East India Company. Years later, Thomas Jeffe son's principal critique of the Constitution of the United States was that it lacked a "bill of rights" guaranteeing basic freedoms. "By a declaration of rights I mean one which shall stipulate freedom of religion, freedom of the press, freedom of commerce against monopolies, trial by juries in all cases, no suspension of the habeas corpus, no standing armies," Jefferson wrote to a friend. "These are fetters against doing evil which no honest government should decline."6 When the Bill of Rights was finally adopted, it didn't include a restriction on monopolies. But economic freedom was widely assumed to be an absolute necessity. In a letter to Jefferson, the rationale for that freedom was made clear by James Madison: "Monopolies are sacrifices of the many to the f w."

Roughly two hundred fifty years later, almost every sector of the American economy is dominated by a handful of corporations. Ever since the administration of President Ronald Reagan in the 1980s, the rhetoric of the free market has been cleverly used to thwart government oversight of corporate power, block antitrust enforcement—and eliminate free markets. When four firms control 40 percent or more of a market for products or services, true competition no longer exists. Instead you have monopolies, monopsonies (too few buyers), and oligopolies (too few sellers). Today, three firms control 61 percent of the American market for eyeglasses and contact lenses, three firms control 67 percent of the drugstore market, four firms control 76 percent of the market for air travel, and on and on. From birth until death, Americans must now confront markets that are anything but free. Two firms now control 64 percent of the market for disposable diapers—and two firms control 82 percent of the market for coffin

Unchecked market power allows corporations to charge unfair prices, stifle innovation, set the prices paid to independent producers, break labor unions, and cut wages. It is the central driving force of inequality. During the past three decades, adjusted for inflation, the annual compensation of American workers has increased by about 18 percent—and the annual compensation of chief executive officer at the largest American corporations has increased by about 1,300 percent. In 1978, the compensation of the average CEO was about 30 times larger than that of the typical worker. By 2020, it was about 350 times larger. Meanwhile, the inflation-adjusted value of the federal minimum wage has declined from \$12.54 to \$7.50 since the early 1970s. As a result, the poorest workers in the United States have had their wages cut by about 40 percent.

All of these trends have come together to transform the most important sector of the American economy: the food system. And that is why *Barons* is such an urgently important book. The way in which the United States produces and distributes its food has a profound effect on worker rights, animal welfare, air quality, water quality, the landscape, rural communities, public health, international trade, and the global climate. Even the DNA of sentient creatures is now owned, manipulated, and sold to American farmers by a handful of corporations. Four companies control 66 percent of hog genetics; three companies control 95 percent of broiler chicken genetics; two companies control 99 percent of turkey genetics.

Austin Frerick is an ideal author to tell this story. He possesses a deep understanding of antitrust policy and agricultural economics. He has learned the names and faces behind these supposedly rational and impartial corporations. More important, he has a personal stake in the outcome. He's seen firsthand the impact of our industrial food system upon his home state of Iowa. He's witnessed the hollowing out of rural towns in the Midwest, the sickening pollution from factory farms, the

inchoate anger and political extremism that stem from growing inequality. He knows that nothing less than our democracy is now at stake.

More than a century ago, when monopoly power posed similar threats to American society, Henry Demarest Lloyd warned about the danger in his classic book *Wealth against Commonwealth* (1894). "Monopoly cannot be content with controlling its own business," Lloyd wrote. "Its lobbyists force the nomination of judges who will construe the laws as Power desires, and of senators who will get passed such laws as it wants for its judges to construe. . . . The press, too, must be controlled by Power." "Barons is a work in that great tradition of muckraking, an effo t to expose corruption and misrule. I share Frerick's belief that the system we have now was not inevitable, that a better one is still possible, that the battle against unchecked corporate power is still worth fighting and can be won, that you could hardly find a set of ideals more relevant today, more necessary, more deserving of being finally lived and fulfilled than "equality, liberty, and justice."

Eric Schlosser August 22, 2023

Introduction

When I was young, my family and I would visit relatives in a corner of northeast Iowa known as the Driftless region. As we drove through green rolling hills, I'd stare out the window at pastures dotted with dairy cows and hogs. Corn was common, of course, but so were apple orchards and other crops. The landscape was ali e.

I still go up to the Driftless; my parents park their camper up there to this day. But the land is now brown and barren, except during the few months of the year when corn and soybeans grow. These two commodities have spread like a prairie fi e, and the apples and other crops that used to be grown all over the state are now sourced from well beyond its borders.

The road to the Driftless used to pass through vibrant small towns, but they've since been bypassed by multimillion-dollar highways that were built only so these commodities can leave the state a few minutes quicker. The local businesses have closed, replaced by national chains on the outskirts of town. A state that was once referred to as the "Middle Land"—both because of its geographic location right in the heart of the continental United States and because of its moderate politics and

strong middle class—is now defined by its reactionary political landscape and decaying towns.

The most jarring change is that the animals have disappeared from view. At some point, they started vanishing: first pigs, then cows. The red barns that used to house them sit abandoned or have been knocked down to plant more corn or beans. But even though you no longer see them, the hogs aren't gone. When you get a few miles outside town, you begin to sense—first smell, then see—clusters of massive windowless sheds. You would never guess that each one of them holds almost 2,500 pigs, until the thick stench of manure wafts in your direction. At this point, the countryside is so industrial that it no longer feels like countryside at all.

I initially set out to write this book as a way to figu e out why my home state has changed so dramatically since my childhood. Agriculture is to Iowa what motion pictures are to Hollywood, the cornerstone of the state's economy and the root of its identity. The state is blessed with some of the world's best soil: "black gold," which, coupled with consistently good rainfall, makes for ideal farming conditions. I wanted to understand how this blessing has, over the past forty years, turned into a curse.

But as I dug into that question, it became clear to me that these impacts go far beyond the state's borders. Researching and writing this book has taken me across the country, from the Pajaro Valley in California to the remnants of the Grand Kankakee Marsh in Indiana and from the deserts of New Mexico to the booming towns of Northwest Arkansas. Though it's an American story at its heart, it's one that involves places as far-flung as exico, Germany, and Brazil.

The same forces that devastated my home state were unleashed by a series of fundamental changes to the American food system that have had profound consequences across the country and beyond. A set of legal and policy changes driven by a radical laissez-faire ideology has resulted in a dramatic concentration of power in the American food industry.

This book is about how that transformation occurred and what it has meant for workers, families, and communities. I decided to tell this story through the rise of a series of powerful actors in the industry who have benefited from, and in some cases helped bring about, this shift. I refer to these people as "barons" to hearken back to Gilded Age robber barons such as John D. Rockefeller and J. P. Morgan because I believe that we are living in a parallel moment when a few titans have the power to shape industries.

Although monopolies are common across the economy, there are few sectors more consolidated than the American food system. The following profiles of seven food industry barons show how each one built an empire by taking advantage of deregulation to amass extreme wealth at the expense of everyone else.

I start the book close to my home in Iowa, where a couple named Jeff and Deb Hansen have built an empire of hog confinements in the face of public opposition by capturing the state's government. This relatively new model of production tends to destroy surrounding communities and environments, which is a big reason why 61 percent of Iowa's rivers and streams and 67 percent of its lakes and reservoirs do not meet basic water quality standards.

I then profile the Cargill-MacMillan family, the owners of Cargill, the largest private company in America. The fortunes of the family mirror the history of the American Farm Bill. In particular, Cargill has benefited from a new approach to the Farm Bill that functions to subsidize corn and soy above almost everything else, which has dramatically reshaped our diets.

In the third chapter, I spotlight the mysterious Reimanns, a reclusive German family with historical ties to the Thi d Reich. The Reimann family, through a venture called JAB Holding Company, first entered the coffee industry in 2012 but now trails only Nestlé in the global market. The family accumulated this power through an aggressive acquisition spree that may have been permitted only because of a shift in antitrust and competition policy.

From there, I move to Northwest Indiana, where Mike and Sue McCloskey run a massive dairy operation that pumps more than four million school milk cartons' worth of milk per day. The rise of their empire, which came at a time when many family dairy farms were being run out of business, illustrates the importance of powerful agricultural entities called "checkoff" that were established to help family farmers but now seemingly undermine them.

I then head west and dive into the rise of Driscoll's, the berry company built by the brothers J. Miles and Garland Reiter. Although their operation now employs over one hundred thousand people across every continent except Antarctica and the name has become synonymous with berries in American grocery stores, Driscoll's itself doesn't actually grow any berries. Rather, the company has accrued power through a production model that abdicates responsibility for labor and environmental issues by outsourcing the farming of its berries to independent contractors and, increasingly, out of the country entirely.

Next, I tell the story of Joesley and Wesley Batista. Their company, JBS Foods, butchers almost enough meat daily to give a four-ounce portion to every citizen of Australia, Canada, Poland, Spain, and Italy combined. Although they rose to power by skirting the law, they've faced minimal repercussions for their actions. Their ability to grow unchecked has come at the expense of workers, who often toil in conditions that give the slaughterhouses in Upton Sinclair's *The Jungle* a run for their money.

And finall, I dig into the Walton family and Walmart's grocery business. You might think you know all about Walmart's power, but the story frequently told about the company and its impacts is just the tip of

the iceberg. Although it sells a bit of everything in its physical stores and online, Walmart is, at its core, a grocery company. In fact, it dominates the American grocery market so thoroughly that it has about the same market share as the number two, three, four, fi e, six, seven, and eight grocery store companies *combined*. As Walmart has grown, its power has compounded, reshaping not just the grocery industry but the entire food system.

The purpose of this book isn't to gawk at these barons or to suggest that they are uniquely responsible for the corruption of the American food system. In fact, I have a whole series of "B-side barons" that unfortunately just missed the cut but could have been included to illustrate many of the same points.

Rather, I want to use the barons to facilitate an honest conversation about what we eat and how it gets to our plate. In that way, this book is less about the specific barons themselves than it is about the conditions that facilitated their rise to power. I hope these stories give you a better sense of how the American food system was corrupted and why it matters for all of us.

Our food system may not get a lot of attention in political debates, but it has a profound impact on who we are and the way we live. Millions of Americans work in the food industry—as waiters, cooks, grocery store clerks, and cashiers; as farmers and farmworkers; as beer salesmen and small business owners and slaughterhouse workers.

In fact, the food system accounts for more than one-tenth of all jobs in the United States, and agriculture is one piece of a bigger puzzle: only 12 percent of food workers are farmers. These jobs have traditionally been one of the most direct pathways to the middle class. Generations of Americans, including many immigrants, have looked to the sector as a launching pad for upward mobility.

Whether you work in the food system or not, it unquestionably affects your life, often in unseen ways. The food we consume and the

way it is produced has enormous implications for our health and our environment. It affects the strength of our cities and towns, the cleanliness of our air and our water, and, in the face of global climate change, the livability of our planet.

On a more fundamental level, everyone eats. Food is incredibly important to our sense of identity and culture. It has a way of bringing people together and building community. As Anthony Bourdain once put it, "Food is everything we are. It's an extension of nationalist feeling, ethnic feeling, your personal history, your province, your region, your tribe, your grandma. It's inseparable from those from the get-go." Local businesses in the food industry are an integral part of what makes a place a *place*.

As I wrote this book, it became clear to me how much the food system has influenced me and my family. I grew up helping my grandpa farm his plot and working with my mom in her bakery. My dad spent his entire career working in the food system, first as a beer truck driver and then at a corn processing plant. I've seen firsthand what the concentration of power in the American food system means for Iowa and for my hometown, Cedar Rapids. These experiences, and the institutions around me, shaped how I view food and local businesses.

But this story isn't specific to me; it could be told about any state and thousands of cities and towns across the country. I hope that reading this book will lead you to take a step back and realize just how much the corruption of the American food system has affected your family and community.

And though the issues raised here might seem overwhelming, I find them invigorating because history provides a road map for how to deal with unchecked concentrated power. In writing this book, I've had the honor of meeting so many people who are fighting to build a better food system. I'm confident that a bipartisan coalition can be mobilized to usher in what Alice Waters calls a "delicious revolution."

But to do so, we must first understand how we arrived where we are today. One point that's clear from the stories of these barons and from the history of the American food system is that power does not disperse organically. We have an opportunity to turn the corner and build a more balanced food system, but only if we challenge power directly.

The Hog Barons

Julie Duhn remembers her first time kayaking mostly for its aftermath. When Duhn retired from her offic job, she decided to start experimenting with the sport at Pine Lake State Park, near her home in Eldorado, Iowa. The collection of campgrounds and trails rings two small lakes that trickle into the Iowa River and is surrounded by rolling farmland. It was a hot afternoon in mid-August, just a few weeks after her first outing, when Duhn's arms began to itch, then grow red and raw. She consulted a doctor, who, after learning about her kayaking trip, blamed the rash on the lake water.

Indeed, the Iowa Department of Natural Resources has considered Pine Lake unsafe for human contact since 2012. It keeps a sign posted on the beach to discourage visitors from wading in. The problem is an overgrowth of algae, which feed on the phosphorus that continually fl ws into the lake from nearby farm fields spread with fertilizer and manure. A state report concluded that one clear contributor is the waste produced by the ten thousand hogs in the lake's watershed.¹

Iowa has long been known for hog farming and was once dotted with idyllic barns to house the animals. But today, most of the state's hogs

spend their lives in massive metal sheds known as "confinement": warehouses that allow operators to breed thousands of pigs in one building. The sheds are long and thin, with huge exhaust fans on either end, and each group of buildings includes several silos for storing feed, as well as a dumpster to dispose of the roughly 10 percent of hogs that don't survive until slaughtering time. After being weaned in these industrial facilities, the pigs are transferred to a finishing operation to fatten up and then to the slaughterhouse. These two trips in a packed semitrailer are the only times the pigs will see daylight.

Jeff Hansen and his wife, Deb, built an empire out of these confinment sheds. The Hansens' company, Iowa Select Farms, employs more than 7,400 people, including contractors, and brings about file million pigs to market annually. As the owners of Iowa's largest hog operation, the Hansens have constructed hundreds of confinement sheds in more than fifty of owa's ninety-nine counties. 4

The sheds have provoked controversy in Iowa ever since operators such as the Hansens began to build them during the 1990s. Many rural communities, including people such as Julie Duhn, have campaigned fie cely against them, citing damage to health, livelihoods, property values, the environment, and the farm economy.⁵ Although their effo ts have yielded small victories, they have lost the war.

The state's hog industry, led by the Hansens, has cultivated close relationships with state politicians on both sides of the aisle to roll back regulations. Even as California has passed animal welfare laws and North Carolina has tightened its permitting program for confinement operations, the hog industry in Iowa goes almost unchecked. Today, Iowa raises about one-third of the nation's hogs, about as many as the second-, third-, and fourth-ranking states combined.⁶

Since Iowa Select was founded in 1992, the state's pig population has increased by more than 50 percent while the number of hog farms has declined by over 80 percent. Over the past thirty years, twenty-six

thousand Iowa farms quit the long-standing tradition of raising pigs.⁷ As confinements replaced farms, rural communities have continued to hollow out.

Pigs in Iowa now outnumber human residents by a ratio of more than seven to one, and they produce a volume of manure equivalent to the waste of nearly eighty-four million people, more than the populations of California, Texas, and Illinois combined.⁸ One expert estimated that each confinement facility produces "the same amount of waste as a city of 90,000 to 150,000 people," spread over only 640 acres with no sewage system.⁹

The environment simply cannot handle so much pig shit. In theory, this manure, when spread on nearby crop fields, is a useful fertilizer. But residents and scientists alike point to evidence that this "Mt. Everest of waste," as one University of Iowa water researcher described it, is frequently mismanaged. ¹⁰ It filters through soil to underground pipes that discharge directly into rivers, and when manure is overapplied, rain and snowmelt can quickly channel it into waterways.

As a result, as confinement operations have come to dominate pork production, they've degraded Iowa's water quality. Watersheds that are dense with livestock have a higher nutrient overload. Most summers, the state closes two-thirds of its state park beaches to swimming for a week or more, citing the health risk of toxins or bacteria.¹¹

Closer to the confinements, many rural residents say they've been plagued—and others pushed out—by the stench, the flies, and the health hazards that accompany the facilities. "We know what hog manure smells like, but this is like a sewer," one retired farmer who lived next to an industrial hog facility told the *Washington Post*.¹²

The Hansens likely can't see—or smell—any hog buildings from their seven-thousand-square-foot mansion, which is nestled inside a gated community in suburban Des Moines.¹³ Their view is dominated by the golf course at the exclusive Glen Oaks Country Club, which

abuts their backyard. In 2020, the Hansens' company jet recorded over two hundred flights, including several trips to Naples, Florida, where until recently they owned multiple homes on the coast.¹⁴

When Americans think about farmers, they probably don't have jetsetting millionaires such as Jeff and Deb Hansen in mind. But businesses like theirs are increasingly the norm in farm country: huge, regional-scale corporations owned by just one or a few families who use their political connections to overpower both local democracy and local businesses.¹⁵

Iowa Select became a behemoth as the result of decades of deregulation that allowed power to concentrate in our food system. And it's not just smelly. It's a sad story of the corporate capture of my home state.

Metal Shed Farmer

Jeff and Deb Hansen grew up in Iowa Falls as typical farm kids. They graduated from the local high school in 1976 and soon married. Both went straight to work: Jeff helped on his father's farm while Deb worked in a local farm insurance offic ¹⁶

During the Hansens' childhoods, Iowa's rich soils supported a constellation of diversified single-family operations. Farmers grew corn and soybeans, but many also raised a flock of chickens, milked a small dairy herd, or grazed beef on pasture. As with many long-term investment portfolios, diversity was a farm family's lifeline.

Many family farmers considered pigs to be a cornerstone of their farms. Farmers raised a variety of breeds in barns and in pens. Although many farmers kept hogs in every stage of the life cycle, others specialized in "farrowing"—breeding sows and raising the litters—or buying "feeder" pigs, fattening them to maturity, and then auctioning them at the sale barns spread in a grid across the Iowa countryside. These competitive markets ensured a fair price for farmers.

It was likely at just such a sale barn that newlywed Jeff Hansen bought

his first three sows, which he kept in a converted barn on his father's property. ¹⁷ As the herd grew, the couple found the work grueling, particularly Deb, who had quit her offic job to manage the pigs. To lighten her load, the Hansens purchased labor-saving equipment such as "elevated farrowing crates with steel slats, a feed pan and automatic waterers," according to *National Hog Farmer*, a trade magazine. ¹⁸ Quickly grasping the potential of mechanized livestock equipment, Jeff Hansen founded his own business to build confinement systems

Animal warehouses had already transformed the poultry industry in the South during the 1950s and 1960s, and the model soon spread to other sectors and regions.¹⁹ They were first extensively used with hogs in the late 1980s in North Carolina, where a state legislator deregulated the industry for his personal benefit ²⁰ Dairy followed shortly thereafter, starting in California.²¹

A consistent theme in this warehouse animal model is that one state moves first, triggering others to follow suit. After confinements were deregulated in North Carolina, Iowa followed closely behind, desperate not to lose its status as the nation's top pork producer. As the race to the bottom sped up, the US Department of Agriculture failed to stop it.

Big meatpackers, which purchase and slaughter pigs and package pork, were enthusiastic about the shift to this model. The meatpackers prefer to buy from confinement operations through production contracts because they offer a steady stream of pigs in predictable sizes that are ready for slaughter on a precise schedule. The model is vastly more profitable than buying from a patchwork of independent growers, who sell pigs of various breeds and sizes at local auctions. Today, two-thirds of Iowa hogs are grown on contract with big meatpackers.²² Consequently, the sale barns that dotted the Iowa countryside slowly closed, and so did the competitive market for selling hogs.

Meanwhile, trade agreements that cut tariffs and sidelined import restrictions in places such as Asia and Mexico swung open the doors of a world market for livestock products, particularly eggs and pork. Wall Street took notice; outside investors played a critical role in financing the expansion of confinement operations in owa.²³

Hardin County, where the Hansens were raised, was the perfect place to take advantage of this hog boom. Although nearly 90 percent of Iowa's land area is devoted to agriculture, its north-central region, smoothed by glaciers, has the flattest, richest cropland, which means it can accommodate copious amounts of manure and produce huge quantities of cheap feed.²⁴ The region also has abundant groundwater (hogs are thirsty).²⁵

"At that point, there were two things I knew for sure," Jeff Hansen told *National Hog Farmer*. "Iowa was best suited to build an integrated pork production system and, second, I knew I could figu e out how to do it." The Hansens carved out a niche by building the confinement sheds that would take over Iowa's hog industry. By the early 1990s, they were bringing in \$90 million per year assembling these confinements, known as concentrated animal feeding operations, or CAFOs for short. ²⁷

But after steadily expanding their confinement-building business, the Hansens decided they could also make money by raising their own hogs. In 1992, Jeff Hansen incorporated a new company, Iowa Select Farms, signed a contract with a meatpacker, and launched operations with a herd of 10,000 sows. During its first four years, Iowa Select more than quintupled its herd to 62,000 sows, enough to rate among the top ten largest pork producers in the country.²⁸ By 1999, with 96,000 sows, it was selling 1.7 million pigs per year.²⁹ Today, Iowa Select Farms is the fourth-largest hog producer in the country.³⁰

Dirty Water

As Iowa Select built its empire, the impacts of its warehouses on the environment and surrounding communities quickly became apparent.

On a very basic level, the stench produced by confinements can be overwhelming. Within the sheds, powerful exhaust fans are necessary to constantly suck out poisonous gases rising from the manure lagoons. If the fans are shut off, the hogs die within hours. This is exactly what happened during the spring of 2020, when the COVID-19 pandemic disrupted slaughterhouse operations and Iowa Select needed to quickly kill hundreds of thousands of animals.³¹

In Iowa, confinement are often as close as a quarter mile from homes, schools, and businesses. In interviews and in years of news coverage, Iowans living near confinements have complained about air quality too poor for their kids to play outside; about clouds of flies attracted to the giant manure pits and lagoons; about the exploding population of rats infesting homes, drawn by the vast stocks of animal feed; and about vultures that snatch carcasses from animal warehouse dumpsters and then drop pig parts in backyards.³²

Scientists have also documented negative health effects among people who live near confinements. One study of North Carolina residents who lived within a few miles of clustered confinements found that they had a lower life expectancy and higher rates of infant deaths, asthma, kidney disease, tuberculosis, and blood poisoning than those who lived farther away.³³ Dangerous levels of ammonia, which causes burning in the eyes and respiratory tract as well as chronic lung disease, have been measured in the air near massive hog sites in Iowa since the early 2000s.³⁴ Communities near hog operations also report higher rates of headaches, sore throats, runny noses, coughs, and diarrhea than comparable areas without hog confinements. A 2012 study found higher rates of neurobehavioral and pulmonary impairment in people living within 1.9 miles of a massive hog facility and manure lagoon in Ohio than in a control group in Tennessee.³⁵

As of 2023, the US Environmental Protection Agency still hadn't even estimated airborne emissions from confinements in order to

regulate them under the Clean Air Act, despite numerous instances of workers falling into manure pits and dying from the fumes.³⁶ Confine ment applications sometimes promise to plant tree barriers to reduce air pollution, but the trees take several years to mature enough to be effecti e, if they are ever planted at all.³⁷

The confinements have also caused economic devastation in surrounding communities. It's no secret that rural American economies have struggled for decades with high poverty rates and anemic job growth.³⁸ Confinement operators argue that the jobs they bring are beneficial to rural areas. Iowa Select might point to a 2017 study that it commissioned from Dermot Hayes, an Iowa State University economist with a long record of supporting agribusiness (and of business transactions with Jeff and Deb Hansen).³⁹ In the study, Hayes credited the company with "reversing economic decline" in rural communities where it built giant sow barns.

Yet economists such as Hayes often fail to disclose their corporate funding and support. Kate Conlow, an attorney and former journalist, has documented how extensive this problem is among economists working in agriculture. Although many universities have disclosure policies, Conlow noted that they are hardly ever enforced.⁴⁰ This failure warps the public debate.

Meanwhile, a diffe ent economist at Iowa State found that the overall economy in these communities continues to degrade in spite of all the jobs that Iowa Select claims to provide. Rather than stemming the decline, "they're actually one of the key mechanisms for driving people out of rural areas, despite the claims to the contrary."

Even putting aside their economic impact, jobs at confinements are tough. Employees at sow farms monitor food, water, and ventilation; castrate, euthanize, artificially inseminate, and perform pregnancy checks on the animals; remove dead hogs; power-wash facilities to

remove manure; and wean litters. One former Iowa Select driver told the *Guardian* in 2019 that he earned \$23,000 per year working twelve-hour days with no overtime pay.⁴² As Julie Duhn put it, "Is a job with Iowa Select what you want for your kids?" Given how difficul and poorly paid these jobs are, it's no surprise that Iowa Select has employed undocumented workers.⁴³

Moreover, this production model depends on liberal use of antibiotics. ⁴⁴ Overuse of these drugs is contributing to antibiotic resistance, not just in pigs but also among humans. ⁴⁵ According to the Centers for Disease Control and Prevention, the United States now has a death every fifteen minutes from an antibiotic-resistant infection. ⁴⁶ In response, public health official have been ringing the alarm bell and calling for less use of these drugs in hogs.

But in Iowa, the most obvious impact of the confinements has been on the state's water. In a confinement facility, hog manure drops through a slatted floor and collects in a deep pool below. In some instances, that pool runs through a pipe to a manure pond or lagoon that holds the overfl w. This waste can find its way into the watershed, adding to the pollution caused by fertilizer runoff. Gordon Garrison, a farmer in northwestern Iowa, told the *Guardian* that nitrate levels in the water on his property nearly doubled after a corporation built a shed housing up to 8,800 pigs in a neighboring field ⁴⁷

Bob Havens, now in his seventies, learned to swim in Pine Lake and built his house near the lake twenty years ago. Now, he said, in the summertime, "the lake turns into this slimy green sludge" and billows of foam course through local culverts. Both are signs of a dangerous nutrient imbalance. As a result, Havens lamented, "you [can't] even canoe through it, let alone fish" Havens sees the pollution as a matter of equity. "A lot of folks in Hardin County can't affo d a three-week vacation in the Bahamas," but they used to have Pine Lake for excellent

swimming, fishing, and boating. Now, he said ruefully, "they just can't do it."⁴⁸

The problem is bad enough during normal times, particularly with older facilities, but it can become a crisis in the wake of the sorts of natural disasters that are becoming more common as the planet heats up. After recent catastrophic flooding in western Iowa, for example, some livestock lagoons spilled over into nearby creeks, a process that can cause environmental devastation and threaten human health and well-being. ⁴⁹ North Carolina faced a similar issue when more than fifty livestock lagoons overfl wed in the wake of Hurricane Florence, according to NPR reporting at the time. ⁵⁰ A recent report noted a large expansion of industrial animal facilities in Iowa's hundred-year floodplains even in the face of these risks. ⁵¹

These two intertwined factors—overapplication of synthetic fertilizers, mostly to grow industrial animal feed, and pig waste from corporate farms—have created a water crisis in Iowa. To make water safe for human consumption, the Des Moines Water Works pays as much as \$10,000 per day to treat it.⁵² This problem isn't limited to Iowa. The US Department of Agriculture estimates that Americans pay almost \$1.7 billion per year, mainly through higher water bills, to deal with this pollution.⁵³ The cost can be overwhelming for communities, particularly smaller ones with lower budgets and poorer populations.

But even cities such as Des Moines can barely keep up. The Raccoon River runs past cropland and corporate hog operations in northern Iowa and meanders east to Des Moines, where it provides fi e hundred thousand people in and around Iowa's largest city with drinking water. Of course, it likely carries much of the pollution with it, including from the manure produced by the Hansens' hog operations. In 2015, Des Moines experienced 177 days of high nitrate levels.⁵⁴ In response, it sought to spend \$80 million on a new nitrate removal facility to handle its growing needs.⁵⁵

Neutering the Backlash

As confinement buildings and their manure ponds spread across the Iowa countryside during the 1990s, a passionate rural backlash emerged, sparking a prolonged battle over the future of farming in Iowa. Protesters packed gymnasiums and crowded hallways in the statehouse. Coalitions of family farmers threatened by this new model, environmentalists, and neighboring residents and communities held rallies—one demonstration drew 1,000 supporters in a small town with a population of only 2,700—and lobbied legislators to enact a state moratorium on new confinement const uction.⁵⁶

The pushback against confinements came from all directions. Rightwing commentator Pat Buchanan even made opposition to confinements a key part of his 1996 presidential campaign in Iowa. "Farmers talk about it everywhere I go," he told the *Los Angeles Times* after the Iowa caucuses. "Whenever I bring it up, the audience explodes." Buchanan's surprising close-second finish in the Republican Iowa caucuses—to Kansas senator Bob Dole—elevated him from protest candidate to legitimate contender. 58

Although most big corporate animal warehouse networks operate in multiple states, the Hansens staked their entire operation on Iowa. But you'd be hard-pressed to say they were welcomed.⁵⁹ The fie ce debate over confinements made the front page of the *Des Moines Register* year after year in the mid-1990s.⁶⁰ National newspapers frequently covered the story.⁶¹ Even the Hansens' home county proposed a moratorium on new confinements.⁶²

The Hansens and other industry leaders likely knew that this opposition posed an existential threat to their booming businesses. Regulations and restrictions against expansion were already being put in place in North Carolina, the state that had first deregulated the industry and kicked off the hog boom. Although Iowa's cheap corn remained

attractive, its lax regulatory standards were—and remain—the Hog Barons' essential requirement for success.

It's easy to see why communities across the state revolted—and many continue to revolt—against the confinements ⁶³ In fact, a recent poll found that nearly two-thirds of respondents favored a moratorium on new corporate hog facilities. ⁶⁴ But despite the popular resistance to animal warehouses, legislators faced pressure from business leaders to invite in even more of them. Agricultural economists sympathetic to large operators such as the Hansens argued that if the state were friendlier to hog operations, the growth potential would be enormous. ⁶⁵

In the summer of 1993, a report called "Project 21" was presented to the Des Moines business leaders who had commissioned it. Th 111-page paper, authored by a Virginia-based consulting firm, chided Iowa's politicians and business leaders for "complacency" with the state's relative economic health and its low rate of unemployment. The report concluded that Iowa needed to do more to boost growth, which meant that the family farm needed to die. "Although it is politically popular to defend and protect the concept of family farms," the report proclaimed, "legislation limiting corporate investment is economic folly." 66

The sentiment touched a nerve. "We're really tired of this type of nonsense," a leading organizer for an anti-confinement group called Prairiefi e told the *Des Moines Register* in response to the plan. "And if they want a fight in the Legislature, we'll show them a fight they'd never imagined." One Iowa farmer asked, "Why are they trying to promote something that will both hurt the environment and sell our young people into lives of indentured servitude?"

Forced to address the heated controversy, confinement operations marshaled their political power to fend off regulation. In 1994, the newly formed Iowa Pork Alliance enlisted Robert Ray, a Republican

former governor, to remind Iowans of hogs' economic importance in statewide television ads.⁶⁸ Iowa Select Farms, for its part, emphasized repeatedly in the press that any effo ts to stifle the growth of hog confinements would send production and jobs out of state.⁶⁹ Iowa Select and its employees also donated \$41,000 to the campaign of Terry Branstad, the state's Republican governor at the time, and hired his former chief of staff, Doug Gross, as a lobbyist.⁷⁰ Branstad even appeared in an Iowa Select television promotion that year.⁷¹

The cozy relationship seemed to pay off. In 1995, Branstad signed a law that would prove to be pivotal for the Hansens, neutering local democracy to clear the way for his industry's development. The law, known as H.F. 519, offe ed token protections to neighbors of confinments: new buildings had to be sited at least a quarter mile from residences, and owners had to write plans—which had to be approved by the state—for disposing of their manure.

But the law also handed animal warehouse operators a huge victory by stripping counties of their long-standing authority to deny construction permits to confinement operators. Jeff Hansen described the law as a "fair compromise" and judged it sufficien to keep the Hansen' business in the state. "We're going to keep growing in Iowa," he told the *Des Moines Register*.⁷²

The issue later became a prominent topic in the 2002 governor's race between Doug Gross, the Iowa Select lobbyist, and Democrat Tom Vilsack. While campaigning, Vilsack—who would later serve as secretary of agriculture for Presidents Barack Obama and Joe Biden—derided Gross as a champion of corporate hog lots. But as state senator, Vilsack had voted for H.F. 519.

Vilsack ended up winning the race. His second term, from 2002 through 2006, coincided with the largest confinement-building boom in Iowa's history.⁷³

The acrifice tate

After her rash cleared up—it took a month of topical treatments—Julie Duhn started attending meetings of the county board of supervisors and organizing people to oppose permits for proposed hog buildings. It frustrated and hurt Duhn to know that she could never take her grandkids swimming at Pine Lake. In all her activism, though, Duhn thinks she managed to stop only one confinement from being built. After a zealous campaign in 2017 and 2018 over a particular confinement, owa Select Farms withdrew its application.⁷⁴

When Julie Duhn joined the fight against animal warehouses in 2016, activists and politicians had been campaigning—unsuccessfully—against them for more than twenty years. In Iowa, because of H.F. 519, counties have virtually no policy avenue for blocking confinements as long as the facilities meet the state's requirements.

Meanwhile, the Iowa Department of Natural Resources rubberstamps permits for medium and large animal warehouses and levies only paltry fines for manure spills. The department's leadership is appointed by the state's governor. A recent state audit report determined that the Iowa DNR was "mismanaging a multimillion-dollar fund set up to help oversee Iowa livestock farms and their manure," but nothing has come of it.⁷⁵

The department is also so critically underfunded that rigorous enforcement of management plans is all but impossible. ⁷⁶ Implementation of state-sanctioned "best management practices" to reduce manure runoff is voluntary, and such effo ts have not stopped the problem from worsening. In fact, 61 percent of Iowa's rivers and streams and 67 percent of its lakes and reservoirs do not meet basic water quality standards, according to a 2020 assessment by the Iowa DNR. ⁷⁷

In January 2018, Thomas Burkhead learned that Iowa Select Farms had applied for a permit to build its largest-ever sow complex a mile from

his family's farm near Rockwell City, in Calhoun County. The proposal was for a hog mother ship: a three-shed breeding complex covering an area larger than four football fields and housing 7,498 pigs—5,200 of them gestating sows. Combined, the manure pits underlying the sheds would hold enough waste to fill the e Olympic-size swimming pools.

Once weaned, the offspring of the sows would need to be fattened, and that meant even more confinements would soon need to be built. Calhoun County already had more than 150 facilities housing north of three hundred thousand pigs, and residents say the smell of their manure was already making the area unlivable. "The e are a lot of days where I don't go outside, because it stinks enough to make you vomit," Burkhead said. "I mean, it will knock you on your knees."

Burkhead launched into action. He rallied neighbors and community groups to fend off the industrial hog building. Although Burkhead figu ed they had almost no chance, the opponents persisted, eventually finding a mistake in Iowa Select's application. The group rallied people to a special supervisor's meeting and convinced the board to decline to recommend the proposal to the Iowa DNR. But the agency kicked the proposal to the Environmental Protection Commission, an oversight board appointed by the state's governor, which waved the company's application through.

With regulatory action blocked, activists have resorted to leaning on public scandal to shame companies into withdrawal. They create Facebook pages, write op-eds and letters to local official and newspapers, crowd hearings held by county supervisors, and testify for hours. Anything to chip away at animal warehouse operators' standing with political leadership.

Bill Stowe, chief executive office and general manager of the Des Moines Water Works, understood the need for drastic action. He had been warning elected official for years that nitrate levels in the Raccoon River were getting dangerously high.⁷⁹ In response to waterway pollution

concerns, the State of Iowa created a toothless plan called the Iowa Nutrient Reduction Strategy, which did not address the core issue. The plan had no specific goals, no deadlines, and no consequences for failure to address the issue. And consequently, the problem only got worse. Between 2003 and 2019, average pollution levels doubled across the state. 80

The state's inaction forced Bill Stowe and the Des Moines Water Works to take matters into their own hands. In March 2015, the Des Moines Water Works filed a lawsuit against government entities called drainage districts in northern Iowa for their failure to control nitrate pollution in the Raccoon River.⁸¹ "Iowa has become a sacrifice state," Stowe told reporters. "We and our land are collateral damage for [Big Ag]."⁸²

Stowe faced immense opposition for taking such a drastic step. Rather than agreeing to regulate the pollution, the defendant counties dug in, incurring legal costs estimated at more than \$1 million. Republican governor Terry Branstad called the lawsuit the equivalent of "declar[ing] war on rural Iowa." Republicans in the state legislature even proposed dismantling the Des Moines Water Works.⁸³

But the truth of the matter was a lot more complicated than a war between rural and urban Iowa. Folks in rural Iowa—people like Julie Dohn and Thomas Burkhead—are just as threatened by water pollution as their counterparts in Des Moines. In fact, a 2018 national water quality study published in the *Proceedings of the National Academy of Sciences* reported that "violation incidence in rural areas is substantially higher than in urbanized areas."⁸⁴

Besides, Branstad's solution to the problem involved raiding a fund that was established to finance new school construction with a sales tax.⁸⁵ This money would have been particularly meaningful for rural Iowa, which was in desperate need of an update to its decaying education infrastructure.

Polling by the *Des Moines Register* showed that over 60 percent of Iowans agreed with the Des Moines Water Works, including significant majorities of residents of small towns.⁸⁶ Another poll found that 73 percent of voters in the state supported limits on manure pollution runoff ⁸⁷ As Art Cullen, a local newspaperman, put it, "Anyone with eyes and a nose knows in his gut that Iowa has the dirtiest surface water in America."

The Des Moines Water Works' court fight quickly became bitter. The agency indicated that it would settle the case if the parties agreed to higher water quality standards, but the counties swore off any settlement talks.⁸⁹

At first, it was not entirely clear where the counties got the money to pay their massive legal bills, estimated to be upward of \$1.4 million. But an investigation conducted by the *Storm Lake Times* eventually revealed that the case was being financed by a secret fund created by the Agribusiness Association of Iowa. As it typically does, Big Ag filte ed money to the counties through front groups. When a newspaper and a local advocate for transparency sought to make the funding public, the counties fought them tooth and nail. 2

Perhaps fearing that the lawsuit would lead to water quality regulations that would cut into its profits, the industry quickly mobilized to fight it. In addition to contributing to the defense fund, industry and its allies created another dark money group called the Iowa Partnership for Clean Water, which ran attack ads against the Des Moines Water Works, according to reporting by the *Des Moines Register*. ⁹³ It's unknown whether Jeff and Deb Hansen contributed to this effo t because membership of both the Iowa Partnership for Clean Water and the Agribusiness Association of Iowa is kept secret.

The lawsuit brought by Bill Stowe and the Des Moines Water Works was ultimately dismissed. But even though it wasn't successful, Stowe's

effo ts brought the issue and the corruption surrounding it into the light of day.

Bill Stowe passed away from pancreatic cancer in April 2019.⁹⁴ Not long before Stowe died, Art Cullen wrote a column in the *Des Moines Register* honoring him for accelerating "a conversation that had been taking place in quiet corners. . . . It took courage for him to challenge the chemical cabal that controls Iowa agriculture and politics." Art continued, "Not everyone would have had the steel."

Sadly, Iowa's water crisis has not improved since Stowe spoke truth to power. In fact, the state has only added more confinement buildings. Every year since 2018, Iowa politicians, cheered on by activists, have introduced a bill in the state's legislature to halt animal warehouse expansions, and they've worked with Democratic senator Cory Booker of New Jersey to introduce a bill in the US Senate that includes a long-term phaseout of large animal warehouses nationwide. But so far, neither has had enough votes to pass. ⁹⁶

Coming up on its thirtieth anniversary, Iowa Select Farms is still expanding, along with the rest of the hog industry in Iowa.⁹⁷ The state is now home to at least thirteen thousand confinements, and applications for new ones hit the Iowa Department of Natural Resources at a steady clip.⁹⁸

In the face of opposition, the Hansens have employed a number of tactics to maintain control over the political levers in the state. The Deb and Jeff Hansen Foundation has a long and well-publicized history of charitable giving. It donates thousands of pork chops to food banks, gives vouchers for hams to dozens of schools, and organizes Operation Christmas Meal, a series of drive-through pork handouts. It then posts photos of smiling employees, occasionally joined by a governor or US senator, on social media.⁹⁹

It's not unusual for a sitting governor to attend a charity gala thrown by the Hansens. The 2016 spring gala for the Deb and Jeff Hansen Foundation was a glittering event, packed with smiling faces and powerful personalities. Iowa's governor at the time, Terry Branstad, was in attendance, as was the president of Iowa State University. ¹⁰⁰ The university, following a \$2 million Hansen family donation, had dedicated the Jeff and Deb Hansen Agriculture Student Learning Center less than two years earlier. ¹⁰¹

In 2019, Iowa's Republican governor, Kim Reynolds, contributed a tour of the state capitol and the governor's mansion, led by Reynolds herself, to the gala's auction. Iowa Select Farms requested her presence at the gala the day after Reynolds won election, likely aided by the Hansens' six-figu e campaign contribution.¹⁰²

The Hansen family's charitable effo ts have seemingly solidified its power. During the outbreak of the COVID-19 pandemic in 2020, Governor Reynolds fought to keep packing plants open, prioritizing the interests of confinement operators such as the Hansens, who stood to lose millions as these sheds became overloaded with market-ready animals.¹⁰³

And in July 2020, when Iowa Select's administrative headquarters in suburban Des Moines had an outbreak scare, the company reached out directly to the governor's office which sent a rapid-response team to test thirty-two offic employees. ¹⁰⁴ Although Reynolds argued that the state offe ed testing to dozens of other businesses, the governor's rapid allocation of testing resources to political donors such as the Hansens stirred controversy, prompting an investigation from the state auditor.

In December 2020, Governor Reynolds spent a frigid day handing out Iowa Select pork packages at an Operation Christmas Meal drivethrough event in Osceola, Iowa. But the Hansens weren't there to help. Their jet had landed a f w days earlier in sunny Naples, Florida. 105

The Grain Barons

There is a template for the all-American business success story. An immigrant family comes to the United States with little more than two pennies to their name, opens a small business, and works hard year after year. As the family members slowly build the business, successive generations take on the responsibility of running and growing it. The business prospers, and its leaders become prominent citizens, giving back to the community that helped them succeed. Museums, schools, and hospital wings soon bear their names.

The Cargill-MacMillan family, which owns Cargill, Inc., has told this story about its centuries-old business for decades now. William Duncan MacMillan, who served on the company's board of directors for over thirty years, published three books chronicling its saga, and the family even hired an Ivy League professor to write a three-volume version that spans over 1,800 pages.¹

One aspect of Cargill's all-American narrative rings true: the corporation remains a family-owned business. In fact, for its size and age, Cargill has kept its ownership remarkably close. Today, nearly one hundred

members of the Cargill-MacMillan family control about 90 percent of the company's shares.²

But Cargill is no ordinary success story. The company has grown and grown and grown, well beyond the bounds of the humble-family-business-made-good narrative. It is now the largest private company in America, larger even than the infamous Koch Industries.³ For perspective, Cargill's annual revenue is equivalent to the *combined* annual state tax revenues of South Dakota, New Hampshire, Montana, North Dakota, Vermont, Rhode Island, Delaware, Maine, West Virginia, Idaho, Nebraska, New Mexico, Hawaii, Mississippi, Nevada, Oklahoma, Kansas, Arkansas, and Iowa.⁴

It's hard to pin down exactly how big Cargill is because, as a private company, it is not required to disclose its finances. In fact, Cargill produced public figu es for the first time in 1969 only because Harvard Business School required it for an award it gave the company. Nor is it easy to grasp the scope of Cargill's empire. The company employs over 160,000 people worldwide and operates in a seemingly endless list of industries, from salt to cocoa. The e's a good chance that some, perhaps most, of the ingredients of an average American meal were processed and sold by Cargill. The company likely transported most of the ingredients, too, via its massive shipping network.

To get a sense of how Cargill touches most aspects of the American food system, take it from one of the company's own brochures:

We are the flour in your bread, the wheat in your noodles, the salt on your fries. We are the corn in your tortillas, the chocolate in your dessert, the sweetener in your soft drink. We are the oil in your salad dressing and the beef, pork or chicken you eat for dinner. We are the cotton in your clothing, the backing on your carpet and the fertilizer in your field ⁷

But despite the breadth of products and services that Cargill provides, I like to refer to the Cargill-MacMillan family as the Grain Barons. After all, the company's core business lines—food ingredients, shipping, animal feed, butchering, and financial services—revolve around a handful of commodities, especially corn and soy. Even the company's ancillary products, such as soybean candle wax, are derived from these crops. Although soybeans are technically a legume, not a cereal grain, they are often lumped in with corn as a "coarse grain" because of their similar role in the modern food system.⁸

Taken together, Cargill handles more than one-quarter of the world's grain trade. Yet despite this dominance, the company is largely unknown to most Americans. I certainly never grasped its true size, even though it has been a constant backdrop in my life. I grew up in Cedar Rapids, Iowa, an industrial city in the eastern part of the state that forms a key cog in corn and soybean processing. I was born near a Cargill soybean mill and went to church near a Cargill corn mill. I even played soccer next to a Cargill grain elevator.

But as much as my physical surroundings, Cargill shaped the food that I grew up eating. In the late twentieth century, the American food system began to revolve around the processing of the same grains—corn and soy—on which Cargill has built its empire. Cargill's power is illustrated by the fact that it's easier to get a healthy, locally sourced meal in Washington, DC, or New York City than it is in my home state of Iowa, surrounded by some of the world's most productive agricultural land.¹⁰

This profound shift in the American diet can be traced back to a dramatic reconceptualization of the Farm Bill and of food policy in the United States. These same changes helped fuel Cargill's transformation from a robust family-owned business into the behemoth it is today. As a result, the story of Cargill is inextricably linked to the history of the US

Department of Agriculture and, more specificall, to the development of what I call the "Wall Street Farm Bill."

The ew Deal Farm Bill

Cargill and the USDA are, coincidentally, almost the same age. Cargill was founded in 1865, only three years after Abraham Lincoln established the US Department of Agriculture as part of a series of actions that reshaped America's Heartland and the broader food economy. That year, in the midst of the Civil War, Lincoln also signed the Homestead Act of 1862, which distributed the land that had been (or eventually would be) stolen from its American Indian inhabitants through displacement and genocide. The law granted 160 acres to anyone who paid a small filing fee and agreed to work on and improve the land over a fi e-year period.

In theory, any American who went west could become a farmer and property owner. ¹³ In practice, however, land was distributed almost entirely to White male applicants. In all, some 270 million acres were distributed, about equivalent to nearly 213 Delawares. ¹⁴ The Homestead Act resulted in the creation of millions of farms, many run by recent immigrants to the country. Immigration to the United States increased sharply during this era, in part because the Homestead Act was highly publicized overseas. ¹⁵

The rush of small farmers to the Heartland created opportunities for others as well. Across the region, all sorts of businesses adjacent to agriculture popped up. A whole economy developed to help move the crops grown and the animals raised by farmers to market.

William Wallace Cargill was one of the entrepreneurs who stepped into the void. He established Cargill, Inc. in 1865 when he purchased a grain elevator in Iowa. ¹⁶ Grain elevators are the first stop on a crop's long journey from a farm to an eater's plate. The 're used to store grain while

it waits to be transported and processed. In Cargill's early years, most of that transport took place via train, which is why Cargill grain elevators dotted the landscape near railroads.

As it happened, William Wallace Cargill's first grain elevator was just seventeen miles down the road from my ancestors' farm in Bluffton, Iowa. My grandma's family immigrated from Ireland around this time to escape the Irish Potato Famine. My ancestors likely farmed a typical mix of animals and grains, including corn and oats. It's very possible that the grain they grew spent time at this Cargill facility before heading to market.

For decades, Cargill was just one among many successful grain-hauling companies. The family grew its business by building and buying grain elevators across the Midwest. It owned or controlled more than one hundred elevators just twenty years after William Wallace Cargill made his first purchase.¹⁷ Although the company took some tentative steps outside this niche, including by purchasing a small seed company in 1907, it remained a regional grain hauler at its core.¹⁸

Meanwhile, the USDA's role in its early years was mostly as a distributor of farming information. ¹⁹ Its role expanded as a result of World War I. The fighting on French fields, coupled with interruptions in Russian trade routes, left Britain and France heavily dependent on American food imports. Adopting the slogan "Food Will Win the War," President Woodrow Wilson's USDA told farmers that increasing production was their patriotic duty. ²⁰ In only fi e years, farmers plowed eleven million acres for the first time, an area twice the size of New Jersey. ²¹ Farmers' incomes more than doubled over the course of the war. ²²

But when the war ended and European farmers returned to their fields, prices plummeted. In the summer of 1920, the price of corn fell by 78 percent while the price of cotton and wheat dropped by 57 percent and 64 percent, respectively.²³ These low prices were the worst-case scenario for many farmers who had borrowed heavily to expand

production during the war, and so the entire decade featured a steady wave of bankruptcies and consolidations.

The bleakness for farmers only worsened with the Great Depression and collapsing financial markets. One in every four family farms were sold between 1920 and 1933.²⁴ My grandma's family was part of this statistic; they sold their farm and moved into town during this time. It wasn't until the Dust Bowl crisis became known worldwide that pressure for intervention became impossible to ignore.

For Cargill, however, this period presented an opportunity. During the dozen years between the crash of the US stock market in 1929 and the country's entry into World War II in 1941, the company transformed "from a medium-sized regional grain company to a large national corporation with many links abroad," according to the historian who the family hired.²⁵

The primary architect of this transformation was John MacMillan Jr., a grandson of William Wallace Cargill. Although John Jr. did not formally become president of the company until 1936, he assumed control long before then because of his father's poor health. ²⁶ John Jr. espoused a vision of an "endless belt," which Cargill's officia history described as "control of the movement of grain from the time it left the farmer until it reached the final buyer." He pushed for the company to control not just the physical handling and storage of grain but also transportation, insurance, and a variety of other key cogs in the grain trade.

The crisis facing the industry gave John Jr. an opening to put this vision into action. With distress spreading throughout agricultural markets, he understood that assets could be purchased "on an astonishingly cheap basis." Cargill seemingly took advantage of the situation to build, buy, and lease grain terminals in new regions. Because of these effo ts, the company more than quadrupled its grain storage capacity in just a decade. 30

Cargill also expanded in new directions. The company entered the shipping business by buying its first boat in 1935.³¹ Not long thereafter, Cargill started building its own boats.³² As the company brags on its website, "Not only had Cargill moved with the fl w of grain down the Mississippi, the company had invested in all aspects of transporting grain along the river."³³ Eventually, the company expanded from rivers to oceans. It even built boats for the United States Navy during World War II.³⁴

Cargill's rapid growth allowed it to consolidate power within the industry, and it began to display a certain ruthlessness in extracting profits. In 1938, the company and three of its officials including John MacMillan Jr., were expelled from the Chicago Board of Trade after being found guilty of manipulating corn prices.³⁵

But the crisis that had fueled Cargill's growth in the first place also led to new challenges. As part of President Franklin D. Roosevelt's New Deal, the Agricultural Adjustment Act of 1933—the first version of what is now known as the Farm Bill—paid farmers to reduce production of the most overproduced commodities. The law was intended to wean farmers off the high demand the war had artificially provided and create a balanced, stable farm economy. The law was intended to wean farmers off the high demand the war had artificially provided and create a balanced, stable farm economy.

The Roosevelt administration also understood that without government intervention, farmers had an incentive to overplant their land. To prevent further dust bowls, the administration successfully lobbied Congress to pass the Soil Conservation and Domestic Allotment Act of 1936, which offe ed money to farmers to reduce acreage and to plant soil-friendly crops that replenished and preserved the soil instead of depleting it.³⁸

Cargill and other grain processors hated the Roosevelt administration. To finance the Agricultural Adjustment Act of 1933, the federal government levied a tax on corporations such as Cargill that processed agricultural commodities.³⁹ The idea of paying taxes for a program that

would limit their business was anathema. Cargill MacMillan Sr.—John MacMillan Jr.'s brother—proposed shifting 10 percent of Cargill's assets out of the country. John Jr. went even further, arguing that the company would "be well advised to liquidate entirely our business in the United States." ⁴⁰

Luckily for Cargill, the predominantly Republican-appointed United States Supreme Court struck down the Agricultural Adjustment Act of 1933 in *United States v. Butler* (1936) on the basis that the tax on processors was unconstitutional. In response, Congress passed the Agricultural Adjustment Act of 1938.⁴¹ The law was almost identical to the Agricultural Adjustment Act of 1933, with one key change: the program was financed by the US Department of the Treasury rather than by a tax on processors. To this day, farm subsidies are paid by all taxpayers' dollars, not specifically y companies like Cargill.

This cluster of laws shaped farm policy for decades. The programs stabilized prices, saving countless family farms, and became the bedrock of an era of strong government intervention in agriculture. While imperfect, they brought prosperity for many White farmers. But the New Deal Farm Bill had devastating flaws. Black farmers, especially those in the South, did not enjoy the same support. Sharecropping, adopted in the South after the Civil War, replaced slavery as an institution for perpetuating White control. Wealthy landowners who had virtually no connection to the land and rarely farmed relied on the labor of tenant sharecroppers for most of the planting and harvesting. Thes landowners accrued nearly all the profits while sharecroppers endured perpetual poverty.

This system of exploitation was perpetuated by the New Deal Farm Bill. Rather than paying subsidies to sharecroppers directly, the USDA disbursed them to White landowners. Meanwhile, a disproportionate number of Black tenant farmers were forced to plant less as part of the initiative to reduce overproduction. In other words, Black tenant farmers

absorbed the sticks of the New Deal Farm Bill while their White land-lords enjoyed all its carrots. Moreover, the New Deal Farm Bill relied on local White official to administer its programs, including its extension of low-interest loans. These office cheated and excluded Black farmers from public benefits ac oss the country for decades.⁴⁴

Yet for all these flaws, the New Deal Farm Bill accomplished its goal of protecting White farmers, and for a while, it produced a relatively balanced farm economy. For Cargill, the New Deal Farm Bill did not threaten the company's power or force it to pay a penny to limit overproduction.

But as soon as these policies were put in place, Cargill and its corporate brethren still worked to destroy them. Even without a tax on processors, the New Deal Farm Bill placed a ceiling on the growth of companies such as Cargill that benefited from processing commodities on a large scale. After all, the incentives in the New Deal Farm Bill that limited the production of commodities in turn limited the grain crops that companies like Cargill could store, process, and transport. For decades, their allies slowly took it apart, and fifty years on, they found a way to pass what I call the Wall Street Farm Bill.

The Wall Street Farm Bill

During his 1948 reelection campaign, Harry Truman spoke to an audience of over eighty thousand people in a field outside the tiny town of Dexter, Iowa, just west of Des Moines. In a speech that was broadcast on national radio, Truman defended the New Deal Farm Bill and proclaimed that Republicans wanted a "return to the Wall Street economic dictatorship."⁴⁵ Truman went on to win reelection. During his presidency, he protected the New Deal Farm Bill and the balanced food system that it curated, but Cargill and its allies began to gain ground soon after Truman left offic

John MacMillan Jr. wrote privately to a fellow grain executive at General Mills that America would never have a "sound economy" until it eliminated laws like the New Deal Farm Bill system.⁴⁶ The businessmen found an ally in their effo t when Dwight D. Eisenhower, Truman's successor, appointed Ezra Taft Benson as his secretary of agriculture.

Benson was a conservative fi ebrand who accused the civil rights movement of advancing Communist causes, called the income tax Marxist, and believed that a Mormon woman's place was in the home. ⁴⁷ He opposed any government intervention to protect family farms on the grounds that it subsidized inefficien . ⁴⁸ Instead, he urged these farmers to "get big or get out."

Accordingly, as soon as he entered offic he sought to undercut the New Deal Farm Bill, which normally comes up for renegotiation every fi e years. ⁵⁰ In 1958, he forged a compromise that resulted in Congress passing a bill that watered down some of the law's protections for family farmers. ⁵¹ He also reorganized the USDA to orient it away from the sorts of policies that underpinned the New Deal Farm Bill. ⁵²

But Benson faced intense opposition from family farmers across the country. An October 1958 article in the *New York Times* reported that Benson's name "was pronounced in sour tones, often in anger" in rural America. ⁵³ He also warred with members of Congress, including midwestern Republicans from Benson's own party who decried the secretary's attempts to undermine family farmers. ⁵⁴ In the face of this opposition, Benson failed to get traction in his attempts to dismantle the New Deal Farm Bill, though he did succeed in weakening it. ⁵⁵

His effo ts were continued by Earl Butz, who served as assistant secretary of agriculture under Benson and who Richard Nixon appointed secretary of agriculture, a position he held through the administration of Gerald Ford. ⁵⁶ Butz shared Benson's philosophy of promoting industrialization in agriculture at the expense of the family farm. He adopted Benson's driving philosophy to "get big or get out." He pared back the

program that paid farmers not to overplant their land and instead urged them to plant commodities "from fencerow to fencerow." ⁵⁷

Butz then took steps to encourage the sale of these commodities abroad. He liquidated the country's grain reserves, which temporarily propped up prices for farmers, by selling the crops to a handful of large exporters, including Cargill, at favorable prices.⁵⁸ The exporters turned around and sold the commodities abroad for "unusually large profits"⁵⁹ As a result, export sales nearly doubled during his tenure under Nixon.⁶⁰

Because of these policies, Butz was beloved by agribusinesses, particularly food processors and distributors like Cargill. Carol Tucker-Foreman, executive director of the Consumer Federation of America at the time, pointed out that Butz was "a spokesman for the big corporate farmers, for the food processors and for the grocery people. He's not on the side of farmers or consumers. He's on the side of people who buy from farmers and sell to consumers."

Yet despite Benson's and Butz's success in gradually chipping away at the New Deal Farm Bill, its core components persisted, though in a severely weakened state. Whitney MacMillan, who became chairman and chief executive office of Cargill in 1976, pushed the company to be more active in national politics. His main goal was to remove the production controls from the Farm Bill. He organized national conferences, pushed the issue in the media, and got politicians on board. He also enlisted fellow agricultural giants to help him fund a lobbying group. 62

This more concerted approach began to find some success. The Ronald Reagan administration tried to administer the final blows to the New Deal Farm Bill but faced opposition in Congress, particularly from Iowa senator Tom Harkin, who pushed for reinstating old protections. Although Reagan didn't have the votes to replace the New Deal Farm Bill entirely, he chipped away at the program. In the name of reducing the cost of government, the president took advice from a task force that included Cargill officials to eorganize (i.e., deregulate) the USDA.

Eventually, Cargill's effo ts paid off, and the last vestiges of the New Deal Farm Bill were repealed entirely. When Newt Gingrich ascended to Speaker of the House of Representatives after the 1994 election, agribusiness finally had the votes to gut the New Deal Farm Bill. Over one hundred Big Ag corporations, including Cargill, joined forces to lobby for the Federal Agriculture Improvement and Reform Act of 1996, or the Wall Street Farm Bill, as I like to call it.⁶⁶

The law passed both houses of Congress with bipartisan support. Tom Harkin was one of only twenty-fi e Democrats and one Republican—John McCain—to vote against it in the Senate.⁶⁷ Family farmers and consumer advocates held out faint hope that President Bill Clinton would hold the line and veto the bill, but he signed it into law on April 4, 1996, just months before he gutted public assistance for poor mothers and children.⁶⁸

Commodities and Consolidation

The Wall Street Farm Bill was precisely the sort of law that President Truman warned about in 1948. The sort of balance encouraged by the New Deal Farm Bill preserved economic stability and insulated farmers from fluctuations in prices. But the new law neutralized or eliminated all provisions that were designed to maintain balance.⁶⁹ Instead, the Wall Street Farm Bill directed most of the subsidies to incentivize over-production of a handful of key commodities, particularly corn and soy.

Under the New Deal Farm Bill, a farmer faced with low corn prices could switch to another crop or even idle a portion of farmland in exchange for financial support. The new law removed any motivation to conserve land. Instead, farmers were encouraged to grow corn and soy whether prices were high or low, even on the most marginal land.⁷⁰

The incentive to grow corn under the Wall Street Farm Bill is so strong that processors like Cargill have sought out new uses for the crop.⁷¹

Production of ethanol—a fuel typically derived from corn—exploded in the years after the Wall Street Farm Bill was passed.⁷² In fact, it's now the single largest use of American corn.⁷³ Yet the idea of burning corn in cars as an effecti e fuel source is largely known to be a farce.⁷⁴ The Museum of Failure even included a display on ethanol.

Instead of growing a variety of crops and raising animals, most farms now rely on a commodity crop or two. Tha's why less than 10 percent of farms still have animals.⁷⁵ Previously, it was cost-effecti e for farmers to graze their cattle or grow their own feed. But the grain surpluses incentivized by the Wall Street Farm Bill led to subsidized cheap feed, giving rise to the sorts of industrial factory farms that make up the Hog Baron's empire.⁷⁶

One problem with this system is that growing only corn or soybeans year after year is like investing all your savings in one company, which any financial advisor would tell you is a bad idea. During an economic shock, family farmers relying on one or two crops often wind up bankrupt, while the big boys are more likely to have the resources to withstand the downturn. The exhortation by Benson and Butz for farmers to "get big or get out" finally came to fruition, with the average size of a farm nearly doubling from 650 acres in 1987 to 1,201 acres twenty-fi e years later. Meanwhile, Black ownership of farmland has declined significant 1, from 16–19 million acres in 1910 to fewer than 3 million today. Black farmers now represent just over 1 percent of all American farmers.

As farms consolidate, more and more of the wealth leaves rural communities and fl ws to the Cargills of the world.⁷⁹ Most land in Iowa is not even farmed by owners anymore.⁸⁰ The loss has choked local economies and hollowed out towns. While he was fighting President Reagan's attempt to gut the New Deal Farm Bill, Senator Harkin pointed to a study that compared two agricultural communities: one composed mostly of family farms and another crowded with giant corporate producers. At the time, and even more so in a follow-up study conducted

decades later, the community composed of family farms was healthier in every sense of the word, from higher income levels to more locally owned businesses and a more robust civic life.⁸¹

The Wall Street Farm Bill was justified as a "free market" approach that would reduce costs, but these massive subsidies made it the most expensive Farm Bill yet. In truth, the only farmers who truly operate in a free market are the local community-supported agriculture (CSA) farmers, who usually grow a variety of produce with almost no government financial support. ⁸² The phrase "free market" takes on a dark double meaning when you realize that these farmers earn so little that they are practically working for free.

Although the Wall Street Farm Bill has been repeatedly extended and tweaked since 1996, the core of the law has remained the same. The interlocking programs that used to be part of a larger scheme designed to diffuse power in the system, give a leg up to family farms, and protect the health of the soil and the environment now exist just to heavily subsidize a handful of coarse grains. And no company was better positioned to take advantage of this new system than Cargill.

The argill Playbook

"Agriculture policy does not protect the person you or I think of as a farmer," Tom Buis of the National Farmers Union told the *New York Times* in 1999. "It benefits the largest operations and the processors. And the processors want cheap grain." With the incentives under the Wall Street Farm Bill putting downward pressure on corn and soy prices, production of these commodities exploded in subsequent years. This boom meant that companies like Cargill saw record profits in the years following passage of the law. 84

The Wall Street Farm Bill's massive government subsidies for corn and soy at the expense of almost everything else seemingly gave Cargill the rocket fuel it needed to consolidate its power over agricultural markets. More than half a century after John MacMillan Jr. outlined his dream of an endless belt, the company could finally make it a reality.

The company's approach was similar to the one pursued by Standard Oil decades earlier. John D. Rockefeller's Gilded Age behemoth controlled most of the oil supply chain, from the producers who extracted oil from the ground to the trains and pipelines that transported it across the country, to the refineries that turned it into a usable product, to the stores that sold it to consumers. ⁸⁵ This sort of vertically integrated business empire let Standard Oil use its control over one link of the supply chain to exert pressure on competitors in another.

Like Standard Oil, Cargill came to dominate by being a middleman. Its primary business is moving grain and transforming it into other products, just as Standard Oil did for oil. The last family member to run the company, Whitney MacMillan, even compared grain markets to petroleum markets. ⁸⁶ With the burst provided by the record profits it accumulated in the years after passage of the Wall Street Farm Bill, Cargill entrenched itself as the dominant middleman in the grain trade and then used this position to amass economic and political power through an aggressive acquisition strategy.

In 1998, Cargill announced its purchase of Continental Grain Company grain-handling assets, one of its chief rivals in the grain elevator business, the same niche in which Cargill got its start. At the time, Cargill handled about 20 percent of America's grain exports and Continental Grain moved about 15 percent.⁸⁷ The Clinton administration waved the acquisition through when Cargill agreed to sell a few grain elevators to provide a pretense that competition was somehow being maintained.⁸⁸ Yet for American farmers, this sort of consolidation has meant lower and lower prices for their crops as the number of potential buyers has collapsed. The share of each dollar spent on food that winds

up in the hands of farmers has fallen from 53 cents in 1946 to 15 cents today, the lowest level ever recorded.⁸⁹

The company also expanded into new industries and regions. When it identifies an opportunity, Cargill typically buys a small company or a mere stake in a dominant company. This beachhead approach allows Cargill executives to get an inside view of the area or business and decide whether they want to double down. Once they commit, Cargill seeks full domination by aggressively buying up large firms

One example of this strategy is the company's expansion into beef slaughtering. Building on its animal feed business, Cargill bought a small beef feedlot in 1974. Once it seemingly understood the industry, Cargill acquired a massive slaughtering company called MBPXL and then made several more purchases in the beef business. The subsidiary company, now known as Cargill Protein, is the second-largest beef packer. These sorts of takeovers are why Cargill is now one of the four largest companies in beef slaughtering, beef feedlots, pork slaughtering, turkey slaughtering, animal feed, flour milling, corn milling, and soybean processing.

They are also why allegations of price-fixing and collusion have become a normal occurrence for the company. In 2004, Cargill settled a class action lawsuit for \$24 million after being accused of colluding with two other companies to fix the price of a food sweetener. In 2022, the company, along with two others in the chicken business, agreed to pay \$84.8 million to settle a lawsuit claiming that the companies violated antitrust law by sharing information about worker pay and benefits 95

Thelawsuits haven't slowed Cargill down, but the company does seem to know when to fold its hand if a beachhead seems unviable. If it can't become one of the top three or four players in a concentrated industry, it throws in the towel and sells off those assets. It seems to understand that operating in concentrated markets isn't profitable if it isn't one of

the big boys. For example, Cargill sold its chicken hatcheries, feed mills, and slaughterhouses to Tyson Foods Inc., perhaps because it became clear that it could not compete with its rival's dominance of the space. Although Cargill decided to concede the American chicken market, it didn't give up on birds entirely. The company still maintains a massive American turkey operation as well as chicken operations abroad.

And when market conditions change, so does Cargill. In 2021, the company decided to return to the chicken market. In conjunction with one of its grain competitors, it spent \$4.5 billion to create the third-largest chicken-slaughtering company in America.⁹⁷ Although Joe Biden talked about the dangers of consolidation on the campaign trail, his administration signed off on the deal ⁹⁸

Cargill has also been forward-thinking about co-opting innovations in the food system, including ones that might be seen as threats. Many companies avoid investing in new products or industries that could cannibalize their business. But Cargill would rather be in the room in a nascent industry to see if it is economically viable.

Two of Cargill's more recent investments have been in lab-grown meat and insect farming.⁹⁹ If the cost of growing cells into muscle meat ever dips low enough, it could cut into or even eliminate Cargill's slaughtering businesses. Similarly, insect farming could undermine its massive soybean-milling operation used to produce animal feed. Cargill is pursuing both ventures as a sort of hedging strategy. The company may be competing with itself, but at least it will never be left behind.

Shaping Diets and Policy

Cargill's massive empire has shaped countless aspects of the American food system, but none more so than the nation's sweet tooth. Cheap grain made it possible for Cargill to turn vast amounts of corn into high-fructose corn syrup at a much lower price than traditional sugar

produced from beet and sugarcane crops.¹⁰⁰ Cargill first produced corn syrup at its plant near my church.¹⁰¹ This new product significantly decreased the price of sweeteners and likely explains why America now consumes more sugar per person than any other country.¹⁰²

The explosion in cheap sugar is the reason corn syrup is used to make everything from ketchup to pop to bread to dog food. Grocery store aisles are filled with the sorts of unhealthy processed foods that might be economically viable only because of the structure of subsidies under the Wall Street Farm Bill. The relative cost of grain-derived products fell sharply between 1982 and 2008: by 10 percent for fats and oils, by 15 percent for sugars and sweets, and by 34 percent for carbonated beverages. Over the same period, the price of fresh fruits and vegetables increased by 50 percent. Description

As Farm Bill subsidies started propping up processed foods, the nation's obesity rate skyrocketed. These rates had stayed flat through the 1960s and the early 1970s. But as the New Deal Farm Bill framework collapsed, they began a steady trajectory upward. People are eating more unhealthy foods because these foods are subsidized by the government while healthier foods largely are not. 106

It's no wonder that the country is facing an obesity crisis. Struggling families make rational economic decisions in order to put food on the table. As one prominent nutritionist explained, "If you have only a limited amount of money to spend, you're going to spend it on the cheapest calories you can get." Numerous studies have documented that nutrition quality goes down alongside incomes. "Across the country, bodies got bigger as pay envelopes shrunk," remarked historian Bryant Simon. 108

A recent study published in the *New England Journal of Medicine* predicted that half of all Americans would be obese within the next ten years.¹⁰⁹ Widespread obesity leads to a whole host of problems across society. Four of the top ten killers in America today are chronic diseases

linked to diet: heart disease, stroke, diabetes, and cancer. One recent study estimated that obesity-related issues cost the American health-care sector about \$173 billion each year. 110 Even the military has expressed concern about the impact of obesity on troop readiness. 111

Cargill certainly is not taking any responsibility for these profound changes in the American diet. Instead, the company has financed organizations that push back on the notion that the United States has an obesity epidemic. ¹¹² It used the same practices in Brazil when the country considered enacting regulations to curb obesity. ¹¹³ Any government action to address nutrition could threaten Cargill's bottom line, given that it is one of the largest global producers of corn sweeteners.

Cargill has even been using a front man strategy to corrupt academic research. In 2012, a Stanford University study claimed that organically grown food was not more nutritious than conventionally grown food. This outlandish claim was later largely disregarded, but not before it was revealed that one of the institutes that supported it was funded by Cargill.

In another instance, Cargill funded a front group that, in turn, financed studies disputing any special health consequences associated with corn syrup. ¹¹⁵ It also financially supported a researcher who highlighted the benefits of farmed fish, which are largely fed a soy-based animal feed produced by Cargill. ¹¹⁶ In this last instance, the researcher's financial relationship to Cargill was not initially disclosed in the story and the reporting on it. ¹¹⁷

Cargill has spent millions of dollars on top of its lobbying budget to finance these middlemen. Its goal is to muddy the waters regarding the health and environmental impacts of the company's products and, ultimately, to influence policy governing them. For instance, the company supported an organization that tried to underplay the contributions of beef production to climate change. At the same time, a Cargill representative sits on the executive board of the North American

Meat Institute, a trade association that fights effo ts to regulate the American meat industry. ¹²⁰ These examples are likely only the tip of the iceberg in Cargill's lobbying effo ts, given the lack of disclosure about who funds these groups.

And Cargill hasn't just shaped laws to its advantage. In certain instances, it has been accused of flat-out breaking them. For example, Oxfam International released a report in 2013 revealing how Cargill secretly evaded land reform effo ts in Colombia. For context, Colombia pursued land reform because many observers viewed concentrated landholdings by the wealthy and corporations as an "underlying cause" of a civil war that had displaced millions and killed more than 220,000 people over half a century. Cargill circumvented the land reform laws by using three dozen shell companies to buy farmland intended for family farms. The company ended up exceeding the legal limit on landownership thirtyfold.¹²¹

Subsidized corn and soy helped turn John MacMillan Jr.'s vision of an endless belt into reality. As a result, Cargill is now arguably the most powerful private corporation in modern history. The company operates its global empire out of a newly renovated 488,000-square-foot offic complex in the upper-class Minneapolis suburb of Wayzata. The compound is hidden in a patch of woods near a creek that the US Environmental Protection Agency has labeled impaired. 123

It's hard to square the company's portrayal of itself as an all-American success story with the behemoth that emerged in the wake of the Wall Street Farm Bill. Because of this dominance, I think of Cargill as the twenty-first century's version of Standard Oil. But given Cargill's size, power, and geographic scope, that comparison might undersell it. A better analogy might actually be the British Empire in the nineteenth century.

After all, the sun never sets on Cargill grain.

The Coffee Barons

You may not have hear d of JAB Holding Company, but there's a good chance you've been in one of its stores. The Luxembourg-based conglomerate, controlled by members of the reclusive Reimann family in Germany, owns coffee chains and bakeries from sea to shining sea—and beyond. The list is extensive: Peet's Coffee, Caribou Coffee, Einstein Bros. Bagels, Bruegger's Bagels, Manhattan Bagel, Noah's New York Bagels, Krispy Kreme, Pret A Manger, Insomnia Cookies, and Panera Bread. In fact, the company now sells more coffe than Starbucks.¹

Even coffee drinkers who try to patronize small neighborhood cafés are probably giving their dollars to JAB because many independent stores buy their beans from roasters owned by the company, including seemingly local ones such as Stumptown Coffee Roasters, La Colombe Coffee Roasters, Intelligentsia Coffee, and Green Mountain Coffee. JAB also sells directly to customers who prefer their beverages at home through its ownership of Keurig Dr Pepper Inc., the largest maker of single-serve coffee pods in the United States, and Trade Coffee, an online retailer.²

Together, JAB companies employ 180,000 workers and the conglomerate trails only Nestlé in the global market.³ Even more amazing is how quickly JAB acquired so much control over the industry. Although the company dates back to the early 1800s, it entered the coffee business only in 2012, with its purchase of Peet's Coffee ⁴ JAB became the world's second-largest purveyor of coffee (excluding coffee sold in stores) within seven years of selling its first bean ⁵

The Reimann family—more than any other baron portrayed in this book—is good at keeping secrets. The family has studiously avoided the sort of media coverage and public appearances that have proved irresistible to the other barons. In fact, rumor has it that when family members turn eighteen, they sign a pledge not to show their face in public, which is why no photos accompany their names in the annual *Forbes* list of the world's wealthiest people.⁶ As the *Economist* put it, the Reimanns are "faceless," letting the wild success of their coffee empire speak for itself.⁷

Yet just a few decades ago, this guarded German family likely could not have assembled its empire. Its acquisition spree was made possible by seismic shifts in the law, with profound consequences for JAB's competitors and customers and even those who never drink a sip of coffee

A Faceless Family, a Ruthless Strategy

The Reimann family fortune dates to the nineteenth century. Ludwig Reimann, great-great-grandfather of the present-day Reimanns, married the daughter of an industrial chemicals magnate named Johann Adam Benckiser, or JAB if you go by his initials. Ludwig Reimann took over the company when Benckiser died, and it stayed under the family's control for generations.⁸

Ludwig's descendants, Albert Reimann Sr. and his son Albert Reimann Jr., controlled the company as Germany descended into fascism. Both were ardent anti-Semites and became members of the Nazi Party,

as well as early and enthusiastic supporters of Adolf Hitler, as Katrin Bennhold reported extensively in the *New York Times*. The younger Albert Jr. hitched his wagon to Hitler as early as 1923, when he heard the future dictator speak in Munich. He even wrote a letter to Heinrich Himmler, the main architect of the Holocaust, describing the family as "unconditional followers of the race theory" and their company as "a purely Aryan family business." ¹⁰

Once the Nazis came to power, the company became enmeshed in the regime's racial project. One of its factories was held up as a "model [Nazi] plant," and Albert Sr. even took a leadership position in a committee that "helped orchestrate the Aryanization, expropriation and expulsion of Jewish businesses." Both Albert Jr. and Albert Sr. used forced labor, not only in their factories but also in their homes. Female workers were "forced to stand at attention naked outside their barracks, and those who refused risked sexual abuse." At the time, forced labor was common among companies such as the Reimanns', but this level of abuse stood out. 12

Despite his unbridled anti-Semitism, Albert Reimann Jr. had an affair with a half Jewish employee. Emilie Landecker was born to a Jewish father and a Catholic mother, who died when Emilie was just six. As her father witnessed the Nazis' rise to power and was stripped of his rights as a citizen, he decided to protect his children by baptizing them in the Catholic faith and putting the family property in their names.

Because her father was not allowed to work, Emilie supported the family by getting a job, at the age of nineteen, in the accounting department of the Reimann family's company. She was working there in 1942 when the gestapo sent her father to a death camp. At some point, she became romantically involved with Albert Reimann Jr. and ultimately had three children with him.¹³ Two of those children now own a large portion of JAB Holding Company.

Wolfgang Reimann remarked of his mother, "She lived through the horror show happening in our own company." In interviews with the *New York Times*, Wolfgang recounted being shushed by Emilie when he asked about his Jewish grandfather. He said the children knew little about the company's sordid past until media reports began to surface. 15

In 2018, a British newspaper broke a story about the Reimanns' historical ties to the Nazi regime. Soon after, the family members who own JAB released an interim report they had commissioned to investigate those ties. ¹⁶ To atone, the owners of JAB announced a one-time donation of ten million euros to organizations that help former forced laborers and their families. They also pledged to give twenty-fi e million euros annually to their family foundation to fund projects that "honor the memory of the victims of the Holocaust and of Nazi terror."

The family's contrition appears to be genuine, and their willingness to dredge up and publicly acknowledge such a dark history deserves to be commended. Yet they have not always backed up this sentiment with action. When Russia invaded Ukraine in 2022, many Western companies, including Starbucks, ceased operations in Russia, citing moral and ethical concerns. As of August 2023, JDE Peet's, one of JAB's core portfolio companies, still operated in Russia, based partially on the reasoning that coffee is essential to sustain health or life." 18

JAB is by no means the only company that built its wealth by supporting the Nazi regime. As a report by America's secretary of war noted, Hitler's Germany was characterized by "a great series of industrial monopolies in steel, rubber, coal, and other materials." Thes companies include several firms still around in some form today, such as Bayer, Deutsche Bank, Siemens, and Bosch. Few firms were more closely associated with the regime than the chemical giant IG Farben. America's chief war crimes prosecutor called IG Farben "the men who made war possible . . . the magicians who made the fantasies of

Mein Kampf come true."²⁰ The company even built a factory next to Auschwitz to take advantage of slave labor provided by the concentration camp.²¹

These giants and their wealthy owners were instrumental in the Nazis' rise. In 1947, shortly after the end of World War II, the Library of Congress prepared a report that analyzed the reasons the Nazis came to power in Germany. It found that cartels provided critical financial support to the party at key moments.²² IG Farben, for example, gave the Nazis their largest individual donation before an election when the party was short on funds.²³

Monopolies supported Hitler even when he had few other backers because they knew he would preserve the economic order and help their bottom line.²⁴ They weren't just opportunists who cozied up to the regime once it took control. People like Albert Reimann Jr. recognized that if they did their part to bring the regime to power and supercharge its war machine, they would reap the benefits. Sure enough, the Reimanns' close ties to the party resulted in a financial windfall, with sales more than tripling during the decade after the Nazis took power.²⁵

It would be simplistic to attribute the rise of fascism in Germany, or elsewhere, solely to corporate consolidation. But it would also be naïve to ignore its role. The Reimann family's history of cozy relations with a genocidal dictator shows what can happen when corporate and political power reinforce each other at the expense of the public. Monopoly and democracy, it turns out, don't easily coexist.

Busting the Gilded Trust

The idea that corporate consolidation threatens democracy is not a new one. As US Supreme Court Justice Louis Brandeis put it, "We may have democracy, or we may have wealth concentrated in the hands of a few, but we can't have both."²⁶

While monopolies were supporting the rise of fascism in Germany, Brandeis and other reformers in the United States were working to limit industry's power. In the early years of the twentieth century, they created a regulatory framework to promote fair markets and prevent corporate behemoths like JAB from bullying workers and influencing politics

Brandeis, the son of a Jewish immigrant, was a lawyer who cut his teeth during the Gilded Age, a time of massive inequality. During this era, companies entrenched their power by monopolizing a single industry or by holding a dominant position in related industries. An example is the way John D. Rockefeller's Standard Oil built a template for the Grain Barons' endless belt by controlling most of the oil supply chain.²⁷

Brandeis rose to prominence because of his opposition to one of those companies: financier John Pierpont Morgan's transportation monopoly. Around the turn of the century, Morgan's New Haven Railroad began gobbling up its competitors to consolidate over three hundred ferry and rail transportation companies into one regional monopoly that stretched from New York City to Boston.²⁸ Brandeis became the leading public figu e for the opposition to Morgan's plans.

In 1913, a federal commission unearthed evidence of significant accounting fraud and bribes in Morgan's consolidation spree. In response, the US Department of Justice threatened an antitrust lawsuit against the New Haven Railroad. The company ultimately conceded the battle and began selling off its holdings.²⁹ In the face of seemingly impossible odds, Brandeis had won.

The battle with J. P. Morgan cemented Brandeis's strong faith in decentralized systems and organic growth. He was far from a critic of business: his father was a businessman, and he was a prominent business attorney, after all. But he saw firsthand how a big corporation could use its economic power to steamroll its rivals and corrupt the political process. Because of his fights against these barons, Brandeis became known as the "people's attorney."³⁰

Brandeis was not alone in this fight. He formed part of a reformist movement with people such as muckraking journalist Ida Tarbell, whose book about Standard Oil brought public attention to the dangers of unchecked corporate power.³¹ A consensus developed for taking action to combat the "trusts," as monopolies and cartels were known, and political pressure began to build around the issue.

Years earlier, the US Congress had enacted the Sherman Antitrust Act of 1890 to provide tools to curb anticompetitive behaviors. Senator John Sherman, the bill's namesake, explained that "if we will not endure a king as a political power, we should not endure a king over the production, transportation, and sale of any of the necessaries of life." 32

Yet these tools were hardly used for years.³³ Presidents Benjamin Harrison, Grover Cleveland, and William McKinley brought only eighteen suits under the Sherman Act *combined*.³⁴ President Theodo e Roosevelt understood the popular desire for action on the trusts better than his predecessors and brought more than forty cases.³⁵ He also broke up Standard Oil into thirty-four companies.³⁶

Reformers such as Brandeis ultimately saw competition policy as an issue of power. Brandeis articulated this vision in a speech to the New England Dry Goods Association:

The e is no way to safeguard the people from the evils of a private transportation monopoly except to prevent the monopoly. The objections to despotism and to monopoly are fundamental in human nature. They rest upon the innate and ineradicable selfis ness of man. They rest upon the fact that absolute power inevitably leads to abuse.³⁷

In Brandeis's telling, mere safeguards were not the answer because big corporations have the time and money to outlast and undo any regulations that hurt their bottom line. Whereas some thought that regulation could channel the power of big corporations into productive ends, Brandeis argued that power must be challenged head-on; otherwise, it would compound itself and ultimately corrupt democratic values.

In 1916, President Woodrow Wilson nominated Brandeis to the Supreme Court, but corporations and their allies waged an intense battle against the nomination by smearing Brandeis as a radical and dabbling in anti-Semitic tropes. His nomination was under consideration by the US Senate for 125 days, which held the record for the longest period for a Supreme Court nominee until it was broken by Merrick Garland a century later.³⁸ Ultimately, the Senate confirmed his nomination by a vote of 56–28.³⁹

Brandeis's appointment to the Supreme Court gave him a powerful platform to push American law in a new direction. He worked to get like-minded individuals appointed to high-level government positions during Democratic administrations.⁴⁰ One senior officia in the Franklin Roosevelt administration called Brandeis the "old man in the shadows."⁴¹

His economic vision was also built into the DNA of many legislative reforms of the New Deal era. One famous example was the Glass-Steagall Act, which was inspired by his writing. President Franklin Roosevelt signed this legislation into law in response to the Wall Street crash of 1929. At its core, this legislation diffused power in the American banking system by prohibiting banks from operating as both commercial banks and investment banks. The law effecti ely broke up big banks and hindered consolidation in the sector for decades. Some have credited it with helping to keep the US financial system safe from a major crash until after its repeal in 1999.

Brandeis's impact on the American legal system had so many economic ramifications that the *Economist* called him a "Robin Hood of the law." ⁴⁴ His framework for diffusing power went on to dominate American politics for decades and helped locally owned businesses flourish

across the country. By ensuring competition within and across industries, it sparked broad economic growth that benefited workers throughout the economic spectrum. And, maybe most important, Brandeis's framework helped check industry's influence ver American politics.

Empire Building

After the war, Allied occupying powers arrested Albert Reimann Jr. Even though he still professed a belief that Hitler would prevail as late as a month before the end of the war, he brushed aside allegations of his ties with the regime and insisted that he was a victim of the Nazis. The French government attempted to bar Albert Reimann Jr. from continuing his business operations, but the Americans overruled them.⁴⁵

For the next thirty years, Albert Jr. helped run the company. When he died, in 1984, he left equal stakes to his nine children, who took the company public and ultimately merged it with another firm. His children then founded JAB Holding Company as a vehicle to invest their wealth.

Instead of investing in the normal mix of stocks, bonds, and real estate, the managers of JAB pursued a diffe ent approach.⁴⁶ With its pile of money and outside investors—including the endowments of Stanford University and the University of Pennsylvania—JAB bought companies directly, focusing on rolling up as many firms as possible in the same industry and then combining them into one new megafirm ⁴⁷

The next step was to restructure the firms they had purchased, which likely entailed realizing as many "efficienci" as possible. This playbook, which is common for buyers like JAB that take over a company and want to make it pay better for them as an asset, often involves a combination of layoffs and leveraging of size and market power to squeeze suppliers and the workers that remain. The strategy is most famously—and controversially—employed by private equity firms

JAB initially focused on perfume and luxury goods, but in recent years it has pivoted to coffee and cafés. With the fl wering of independent stores, and Americans' taste for distinct brands, the coffee business was highly fragmented and innovative, a sign of a healthy, competitive industry. This abundance of profitable businesses presented an opportunity for JAB. The company went on a buying spree, spending \$30 billion in just four years, capped off by its \$13.9 billion purchase of Keurig Green Mountain in 2015.⁴⁸

JAB isn't the only company to try to consolidate control of an industry through this sort of naked power grab. In fact, JAB mimicked the strategy of conglomerates in the beer industry, which is dominated by two global firms. As one financial analyst pointed out, it seemed as if JAB was on a mission to become "the Bud(weiser) of the coffee space." 49

In fact, once you start looking, you can find concentrated industries everywhere in the American economy. In 2016, the *Economist* collected data on almost a thousand industries and found that market concentration increased in nearly two-thirds of them over a fifteen- ear period.⁵⁰

Many institutional economists suggest that when fi e firms control more than 60 percent of a market, it is no longer competitive.⁵¹ Yet we've blown past these thresholds in many sectors, including some unexpected ones. Just two companies sell 74 percent of all milk.⁵² One company—Whirlpool—manufactures 58 percent of all washers and dryers.⁵³ And just two companies control 82 percent of the market for coffins and casket.⁵⁴

Often, consolidation in a sector is obscured by one company using many diffe ent brand names, just as JAB conceals its power through ownership of many seemingly independent companies. Corporations use diffe ent brands to cater to diffe ent socioeconomic classes. These brands create the illusion of choice.⁵⁵ It may seem as if shoppers have options, but all they're really choosing is their preferred price point. Tha's why LensCrafters, Sunglass Hut, Pearle Vision, Target Optical,

Glasses.com, FramesDirect.com, EyeBuyDirect, Clearly, Ray-Ban, and Oakley are all owned by one foreign-based company, EssilorLuxottica.⁵⁶

Although concentration is rampant across the economy, it's a particularly bad problem in the food sector. One company sells 73 percent of baby food; one company sells 47 percent of pet food. It just so happens that it's the same company: Nestlé.⁵⁷ And the nation's meatpacking industry is now more concentrated than when Upton Sinclair wrote *The Jungle.*⁵⁸ Four companies, two of which are foreign owned, now slaughter more than half of all meat consumed in the United States.⁵⁹

You would never guess these markets are so consolidated from a casual trip to the grocery store. You can look at a shelf of peanut butter and think you're seeing a competitive market, with a range of options like Jif, Smucker's, Adams, Laura Scudder's, and Santa Cruz Organic. But all these brands are owned by the J.M. Smucker Company, which now sells nearly one in every two jars of peanut butter directly.⁶⁰

That statistic doesn't even account for the fact that many store-brand versions of the product are likely manufactured by large producers like J.M. Smucker. Although the exact numbers of store-brand items that the company produces are not publicly known, a 2022 recall illustrated its success in penetrating this segment of the industry. In addition to recalling Jif, the company recalled store-brand items that it made for large grocery store chains, including Giant Eagle and Safeway.⁶¹

The illusion of choice means that even when consumers think they are opting for a brand that sounds like a local, independent option, like Stumptown, they are really just buying from JAB. Nearly eight in every ten coffee stores are now owned by just three companies. Not surprisingly, JAB is one of them.⁶²

Even as it fends off allegations that it has monopolized the coffee space, JAB is plotting its next monopoly play: pets.⁶³ It recently spent \$1.4 billion to buy a pet insurance business, and it has acquired over 1,400 local veterinary practices and care centers.⁶⁴

Obtaining control of a market to create an illusion of choice has formed the heart of JAB's strategy in recent years. The Reimann family has seen its wealth explode during this period of expansion, with a yearly return rate higher than 15 percent. Forbes estimated the four siblings' net worth in 2022 at \$23.2 billion, making them one of Germany's richest families.

But JAB's strategy likely would not have been possible before changes in the law profoundly altered the American and international economic landscapes. For much of the twentieth century, antitrust laws influenced by Brandeis's framework promoted competitive markets and prevented companies like JAB from concentrating their economic power. Today, those protections have been brushed aside by a new worldview.

The ork Apocalypse

Since the late 1970s, judges, politicians, and bureaucrats have waged an all-out war on Brandeis's competition framework, and their effo ts have transformed the structure of our economy. One man in particular personifies this movement: a controversial academic and judge named Robert Bork.⁶⁷

Americans were first introduced to Bork in the aftermath of Richard Nixon's Saturday Night Massacre, when Bork served as the president's hatchet man in the cover-up of the Watergate scandal. Nixon ordered the firing of Archibald Cox, the special prosecutor appointed to investigate wrongdoing by the Nixon campaign, but both Deputy Attorney General William Ruckelshaus and Attorney General Elliot Richardson refused to carry out the order and resigned in protest. Bork, who was solicitor general at the time, was the only person willing to put principles aside to do Nixon's bidding. Nixon had promised to appoint him to the Supreme Court. 68

After Nixon's resignation, Bork briefly retreated to academia before returning to public life when President Ronald Reagan nominated him to the Supreme Court in 1987. Bork's involvement in the Watergate scandal and his controversial views—including previous support for a poll tax, literacy tests for voting, and opposition to the Civil Rights Act of 1964—quickly became a political flashpoint. The Senate voted down his nomination, but Bork endured as one of the most influential legal activists of the past few decades.

As a law professor and later as an appellate judge, Bork focused his energies on dismantling the long-standing competition framework associated with Brandeis. Bork earned his undergraduate and law degrees from the University of Chicago, a school founded by oil baron John D. Rockefeller. The university is infamous for its association with a deeply conservative economic worldview known as the "Chicago school" that is attributed to the influential work of many of its faculty members. One of the foundational beliefs of the Chicago school is in the merit of paring back laws protecting competition. Milton Friedman, a leading Chicago school economist, even quipped that "we would be better off if we didn't have [antitrust laws] at all."

In 1978, Bork published a book called *The Antitrust Paradox*, in which he criticized the Brandeis framework and argued that the only purpose of competition laws is to maximize economic efficien .⁷⁰ In Bork's view, regulators and courts analyzing mergers should ignore harm to workers, locally owned businesses, and communities, as well as exclusionary practices that entrench a company's economic power.

Instead, Bork advocated for an exclusive focus on the impact on consumer prices, an approach known as the "consumer welfare standard." Thi framework considers a monopoly detrimental to society only if it leads to higher prices for consumer goods. As long as an economist can argue that prices may go down as a result of a merger, a company's accumulation of market power and the disappearance of its competitors doesn't matter.

This framework represented a radical reorientation of antitrust policy, and its core principles were wholly unrelated to the original criteria and intentions of antitrust and competition laws. The consumer welfare standard does not appear anywhere in the Sherman Act. According to Columbia Law School professor Tim Wu, "not a single statement in the [original] legislative history comes close to stating the conclusions that Bork drew." Bork simply rewrote history to match his laissez-faire, pro-corporate ideology.

Unfortunately, *The Antitrust Paradox* was enormously influential in shaping the development of competition policy. Bork and others like him provided an intellectual cover for today's robber barons to weaken the rules protecting competitive markets. He was a key member of the Federalist Society, an organization that bills itself as a nonpartisan educational effo t. A blockbuster *Washington Post* investigation found close ties between the Federalist Society, which is funded by wealthy donors, and other nonprofits that support conservative judges and policies. These reporters calculated that the network collected over \$250 million between 2014 and 2017 alone.⁷²

The judiciary has become filled with judges associated with the Federalist Society and Bork's ideology who have pared back the sorts of protections that Brandeis fought for. As Adam Cohen recounts in his book *Supreme Inequality: The Supreme Court's Fifty-Year Battle for a More Unjust America*, the result has been "a systemic rewriting of society's rules to favor those at the top and disadvantage those in the middle and at the bottom." ⁷⁷³

Bork acolytes also gutted the Federal Trade Commission, America's anti-monopoly watchdog. The agency's staffin levels declined by 46 percent over the course of the Reagan administration. In fact, as of 2021, staffin levels were still only two-thirds of what they were the year Reagan took offic ⁷⁴

Actions by the Reagan administration and a series of cases decided by the Supreme Court adopted Bork's novel, unprecedented doctrine not long after he invented it out of thin air.⁷⁵ Bork's philosophy has become firmly entrenched in legal scholarship, political ideologies, and regulatory practice in the federal government.

The reign of Bork's doctrine has led to exactly the sort of consolidation through unchecked acquisitions that reformers like Brandeis feared. Prior to Bork's anti-antitrust revolution, for example, the Grain Barons' acquisition of their chief rival in the grain elevator business likely would not have been approved. And without this radical reinterpretation of America's competition framework, JAB might not have been able to aggressively consolidate the coffee and café indust y.

The irony is that the standard has not even succeeded at achieving its limited aims. A whole cottage industry has sprung up for economists—hired and paid by the merging companies—to produce studies showing that a merger will lead to lower prices. One hired gun has raked in more than \$100 million for these services, according to the estimates of a ProPublica investigation.⁷⁶ The Federal Trade Commission and the Department of Justice relies heavily on these so-called studies, which are rarely even made public, to make enormously important decisions about whether to permit companies to merge.

Because of deference to these studies, the government often operates on the assumption that larger firms can create "efficienci "—usually a polite word for layoffs—that will lead to lower prices for consumers. But the reality is that instead of lower prices, they often lead only to higher pay for executives and bigger profits for sha eholders.

Meanwhile, the promised savings for consumers have a way of failing to materialize. In 2015, a researcher reviewed past mergers and found that eight out of ten resulted in higher prices for Americans.⁷⁷ A recent *Consumer Reports* investigation, for example, found that a one-month supply of fi e commonly prescribed drugs averaged \$107 at independent pharmacies, but the same prescriptions cost \$752 on average at Walgreens and \$928 at CVS.⁷⁸ Similarly, Affo dable Care Act marketplace

premiums were, on average, 50 percent higher in areas with monopolist insurers than in areas with more than two insurers.⁷⁹

The rapid consolidation that has occurred under the consumer welfare standard also makes it easier for companies to fix prices. A Bloomberg Law story published right before Thanksgiving in 2019 noted that turkey producers represented the only corner of the meat industry not under investigation for price-fixing. At that point, cases were pending against producers of salmon, pork, beef, tuna, and chicken. But not long after the article was published, turkey producers were added to the list. 10

On a more fundamental level, the consumer welfare standard undermines the core purposes of competition policy by systematically stacking the deck against locally owned businesses in favor of large foreign-owned corporations such as JAB Holding Company. In the words of Jeff ey Young, chief executive office of a global coffee research firm, "The e's never been so much control over the coffee market and power has never been so concentrated, so we're in uncharted territory. Regardless of whether we think we're going to have cheaper or better coffee, usually in economics, it's not healthy to have so much control across so few."82

At its core, the standard uses pseudoscience to mask moral judgments, giving license to courts to favor corporations based on the false notion of efficien . It's one main reason why economic power is more concentrated today than at any other point since Brandeis was fighting J. P. Morgan's transportation monopoly. In fact, in a comical display of power, JAB's American operation is located across the street from the White House (the company is unsurprisingly headquartered in Luxembourg, a known tax haven).⁸³

As firms have gotten bigger and industries have become more consolidated, local ownership has been disappearing. Locally owned businesses increasingly can't compete on these tilted playing fields. Even as barons

like the Reimann family have garnered huge profits, the consequences for society at large have been profound.

Monopoly versus Democracy

I know firsthand the value of local business. After years of working as a hairdresser and then managing an outpost of a national chain, my mom, Kathy Frerick, dreamed of being her own boss. Around the time I started grade school, she decided to open a bakery and coffee shop near our house.

I have distinct memories of how much work my mom put in to get her bakery off the ground. My parents took road trips to various conventions and competitors to learn the ropes of the business and piece together their plans, leaving me and my brother with our grandparents. When the store was under construction, my mom picked us up from school and brought us to the site, excitedly pointing out where everything would go. In my memory, the grand opening was like Iowa's version of the Met Gala, with so many people dressed to the nines. My mom worked the room in a stunning white pantsuit, and my dad looked the sharpest I've ever seen him.

My mother took incredible pride in her business and did everything she could to make it a success. She built relationships with her regulars and organized events with the owners and managers of the stores nearby. Our family spent Sunday mornings scrubbing the place top to bottom. My dad cleaned the floor tiles while my brother and I wiped all the marks off the white tables and chairs

You see this pride of ownership in all sorts of local businesses. The e's a level of care that just doesn't exist when the only goal is to generate better returns for distant executives and shareholders. It's why local businesses almost always seem to provide better products and services than their corporate competitors.

In my hometown, folks could get coffee anywhere, but they came to my mom's place because of the relationship she built with them. The knew all about our family, and my mom knew about the happenings in their lives. We attended their weddings, funerals, and everything in between.

It's an obvious but essential diffe ence between corporate chains and mom-and-pop shops: local business owners live in the same community as their customers and their employees. Their children attend the same schools. They use the same public services and deal with the same problems. Unlike the reclusive Reimanns, they are literally the faces of their businesses, with their reputations and the health of their communities essential to their success. They have a stake in the places they serve in a way that a huge conglomerate does not.

My mom made a point of donating to any local nonprofit that asked. One year, she provided one of the winning prizes for the sweet potato pie contest fundraiser at the African American Museum of Iowa. She even served as a local celebrity judge. 84 The director of the museum was a regular; I used to ring up his orders.

Mergers, on the other hand, are often accompanied by a collapse in donations to local charities and nonprofits. After its pu chase by InBev, based in Belgium, Anheuser-Busch reportedly reduced its local giving by 80 percent.⁸⁵ One longtime resident of a slaughterhouse town told me that the plant donated money to the community when it was locally owned, but the contributions stopped once the plant was swallowed up by a conglomerate. "If I wanted to run a big fundraising campaign, [the packing plant] would not be a big donor," one mayor noted. "They are not going to exert that kind of influence on the communit ."⁸⁶

Local businesses cultivate a distinct identity and sense of place. My hometown, Cedar Rapids, is known for its kolaches, a product of the city's deep Czech heritage. Likewise, any Iowan can brag all day about our state's Maid-Rites (loose meat sandwiches) and tenderloins (breaded

pork), even if folks outside the region have never heard of them. Tha's why you see signs urging people to "shop local" or expressing "love for local" in towns and cities across the country. A lot of these values can't be quantified in terms of efficienc or a benefit to a consumer. But they exist, and many people understand them intuitively.

Th loss of local ownership has ripple effects that go far beyond where we shop. Researchers have documented that local businesses are closely associated with civic engagement and well-being. They form part of a community's social and economic fabric in a way that multinational corporations often do not. I don't want to fetishize locally owned business, but there is a balance to strike here, and we've swung way too far on that pendulum. The sad truth is that our economy stacks the deck in favor of the big players over the local owners.

Our family bakery closed more than a decade ago. The business was always profitable, but sales started tumbling as multinational chains began popping up in the area. My mom remains close to her employees and many of her former customers. She continued to work in the food industry and eventually became the manager of one of her former competitors, an outpost of a large coffee chain located in a big-box store. My mother landed on her feet, but for many owners, shuttering their business takes a significant psychological (not to mention financial) toll.

As people lose power in their everyday lives, they become susceptible to the appeal of an authoritarian who offers a scapegoat for their troubles and a means to express the power they retain. Lee County, a community in Iowa that had seen almost all its major locally owned employers disappear since the 1970s, voted for Barack Obama in 2012 by a margin of 56 percent to 41 percent.⁸⁸ In 2016, Donald Trump won it by nearly 16 percentage points. In 2020, Trump's margin over Joe Biden jumped to 19 percent.⁸⁹

Indeed, demographer William Frey has argued that Trump's campaign strategy was built on attracting voters in places losing population—in other words, rural communities that had been hollowed out by corporate consolidation. Statherine Cramer, a political science professor at the University of Wisconsin, explained the rural attraction to Trump this way: "They feel like their communities are dying, and they perceive that all that stuff—the young people, the money, the livelihood—is going somewhere, and it's going to the cities."

But even as his message appealed to disaffected voters in the Heartland, Trump won in 2016 because of the financial support he received from many of the billionaires and multinational corporations that benefited most from the shift to the Bork framework, which brought about the second Gilded Age. He mastered the art of speaking from both sides of his mouth. Even while promising to "drain the swamp" and to fix a "rigged system," Trump courted the financiers and monopolists who wallowed in the swamp and rigged the system.

Few people understand the connections between concentrated economic power and fascism better than the Reimann family. "In history, businesses have enabled populists," reflected Peter Harf, current chairman of JAB Holding Company. "We mustn't make the same mistake today."

The Dairy Barons

Sue McCl oske y's cows never get a chance to roam on pasture. But, as she told *Food & Wine* magazine in 2018, she strives to keep the girls happy. Sue's husband, Mike McCloskey, is chairman of a dairy production facility and tourist attraction called Fair Oaks Farms, which has been referred to by some media outlets as the "Disneyland of agricultural tourism." At the facility's vast complex of Amazon-like warehouses, the "happy girls" pump out more than four million school milk cartons' worth of milk per day, making Fair Oaks one of the largest dairy producers in America.²

But it is far from exceptional. For decades, huge operations like Fair Oaks have been replacing family dairy farms across America. Wisconsin, the longtime heart of dairy production in the United States, lost 38 percent of its dairy farmers during the past decade.³ Today, more than half of America's milk is produced on less than 3 percent of its farms.⁴ And those megafarms are like Fair Oaks: factories that are larger than any operations in agricultural history.

I visited Fair Oaks Farms in the summer of 2021. The complex is in Northwest Indiana, right off Interstate 65 between Chicago and Indianapolis. Admission was \$20 for children and adults when I visited and free for children under two. School group tours make up the backbone of the center's guests, providing nearly half of its six hundred thousand annual visitors, an attendance figu e that equals that of the Indiana State Museum and Conner Prairie (a living historic farm) combined.⁵

Admission includes access to a big outdoor play area containing a bouncing pit, a ropes course, and a rock-climbing wall shaped like a milk carton. A farm-themed Marriott hotel and large restaurant are situated on the property to accommodate travelers, along with a gas station, gift shop, and ice-cream parlor. The complex is recognized as the number one agritourism destination in the Midwest. "We hope to be the agricultural hub for the United States," Jamie Miller, general manager of attractions at Fair Oaks, told *Pacific tandard*.⁶

The real attraction of Fair Oaks is the tour of nearby industrial pig and dairy factories, which visitors reach through a short tram ride from the main complex. I boarded my tram with a group of mostly school-children and their chaperones, and after leaving the visitor complex, we turned in to one of the warehouses where thousands of the McCloskeys' girls spend their lives.

According to my tour guide, the warehouse is the most technologically advanced dairy in America. It is laid out almost like a parking lot. Each cow spends most of her day in her own parking stall, occasionally leaving to get milked and sporadically having her manure removed. In the newest cow warehouse, most of the operations are robotic, from milking to manure removal.

We drove down the center lane of one building and passed rows of lethargic cows in their pens. At the ends of the rows, lagoons collected manure, which we could smell from the tram. The guide reassured us that everything centers on "making sure the girls are happy" and touted the farm's sustainability measures involving the cows' manure.

These warehouses are essentially all the cows will know. Across the dairy industry, cows typically stay in such warehouses until the age of three, when their bodies begin to break down as a result of stresses caused by this environment and production model. For reference, this life span is nearly a year and half shorter than that of a normal pastured family farm cow.⁷ As the cows approach the end of their lives, they are often sold to slaughterhouses, bound to be served as hamburgers topped with the cheese they might have once supplied.

At Fair Oaks, there is no mention of what these warehouses replaced: the family dairy farm. States such as Wisconsin and Vermont are dotted with abandoned idyllic red barns that formerly housed dairy herds of a few dozen. As the price of milk has dropped steadily over time—in large part thanks to increased production by industrial facilities—these family farms have thrown in the towel and closed by the thousands.⁸ Pastures where cows used to graze are now planted with corn and soy, mostly to feed the cows now housed permanently inside these massive metal sheds.

The labor on these industrial operations is primarily performed by young undocumented men, whose bosses often also serve as their landlords. A 2017 report of immigrant dairy workers found that the average pay was \$9 per hour, and 97 percent lived in housing provided by their employer. One 2015 episode of the podcast *This American Life* documented a two-bedroom trailer shared by thirteen workers. 11

Theseworkers face difficul and often dangerous working conditions. While researching this chapter, I discovered an unreported incident in which a worker died on the McCloskeys' farm in January 2021, in the same barn I toured a few months later. Records from the Indiana offic of the Occupational Safety and Health Administration described him as a forty-seven-year-old recent immigrant born in Honduras who spoke limited English. He had been working a twelve-hour shift near manure equipment when his clothing got caught in the machinery. He

was pulled in and died from asphyxiation.¹² He left behind a wife and three children.¹³ In response, OSHA fined Mike and Sue just \$10,500.¹⁴

Even before I knew about this worker's terrible death, I found the Fair Oaks Farms tourist attraction to be an unsettling place. And so was its namesake town of Fair Oaks, a small, low-income community nearby. "I have lived in Newton County for twenty years and I feel that Natural Prairie Dairy [an organic industrial dairy operation with a neighboring facility] and Fair Oaks Farms has brought disgrace to the county I call home," Janice Lewandowski wrote recently in a local newspaper. ¹⁵ As I walked around this hollowed-out town, I could understand why she felt this way. I can barely smell, but on a summer day with no wind, the stench of manure was unrelenting.

While Fair Oaks Farms has become a regional destination, Mike and Sue McCloskey have emerged as leading spokespeople for the industry. *Good Housekeeping* named Sue McCloskey a 2017 Awesome Women Awards Honoree, and *Food & Wine* profiled her in 2018. ¹⁶ *Politico* referred to Mike McCloskey as "the closest thing to a rock star in the industry." ¹⁷ Mike and Sue have spoken across the country about their sustainability effo ts, including at the South by Southwest Festival and Yale University. ¹⁸

As tens of thousands of American dairy farms have folded, the McCloskeys have found huge financial success in the industry. They live in a nearly twelve-thousand-square-foot mansion about ten miles north of their cow warehouses, just far enough away to escape the waft of manure.¹⁹ They also own a multimillion-dollar condo located blocks from Navy Pier in Chicago and list a condo at the Ritz-Carlton in Puerto Rico as a legal residence.²⁰

The McCloskeys didn't become the vanguard of the industrial dairy industry by accident. For decades, they've shown foresight and boldness that kept them a full step ahead of their competitors. The 've (improbably) created new dairy products, partnered with other giant

corporations, hired the best public relations firms money can buy, and turned foul-smelling facilities into a tourist destination.

But a closer look at the McCloskeys' rise to power reveals that political savvy was as important as business acumen in building their empire. They perfected the art of using public resources—whether they were water, land, tax breaks, subsidies, or politicians themselves—for private gain. They are not self-made barons; the system made them, and continues to promote them, even as many family dairies have been lost.

West to Midwest

Sue and Mike McCloskey were not raised in the dairy business. Mike was born in Pennsylvania, but his mother moved the family back to her home in Puerto Rico after her husband died. In Puerto Rico, McCloskey met an uncle who was a veterinarian and decided to follow in his footsteps, earning a doctor of veterinary medicine degree from the National Autonomous University of Mexico and the University of California, Davis.²¹ Sue McCloskey, on the other hand, grew up in the suburbs of New York City west of the Hudson River.²² The two met when she was an art student in San Diego, where he was her landlord.²³

The couple began their ascent by building a successful veterinary business in California. But Mike McCloskey had developed his own ideas about the dairy industry and wanted to put them into practice. So the couple started their own dairy in California with only 250 cows. Soon, they moved the operation to New Mexico.²⁴

Dairy farming in arid New Mexico might sound strange, but the state produces nearly three times as much milk as Vermont. For the past few decades, dairy production has been shifting from family farms in New England and the Midwest to industrial factories in the West and Southwest. Western dairies now produce nearly half of America's milk.²⁵

Many of these businesses are massive factories with thousands of cows in the middle of the desert. Cheap, heavily subsidized feed is trucked in from miles away, and low-wage workers, usually undocumented, perform most of the work. At a traditional family dairy farm, it's practical to put cows on pasture and let their waste fertilize the grass that serves as their feed. But industrial dairy operations in the desert benefit from a key advantage: they can rely on the sun to quickly dry out the manure, which is then applied to fields as fertilizer. The e are also hardly any neighbors to complain about the smell.

The ongoing water crisis in the West raises serious concerns about these facilities. Cows consume thirty to fifty gallons of water per day. ²⁶ In California, industrial dairies require more water every day than what the state suggests that all residents of San Jose and San Diego use, according to Food & Water Watch. ²⁷ Water for these factories is pumped from aquifers below, which are quickly being depleted. ²⁸ In Arizona, the dairies are causing residential wells to run dry. ²⁹ And in a twist on history, the town of Dalhart in the Texas panhandle, which was featured in Ken Burns's documentary on the Dust Bowl, is now home to several massive, water-intensive dairy operations. ³⁰

In the growing dairy hub of the Southwest, the McCloskeys expanded their operation to thousands of cows. Their business seemed to be thriving, but in 1999, the McCloskeys zigged where others zagged and moved again, this time to Northwest Indiana.³¹ A move to the Midwest was unheard of in the industry at the time; most dairy production was migrating in the opposite direction. But it was in Indiana that the McCloskeys went from wealthy owners of a megadairy to titans of the industry.

Their new dairy operation was located at the former site of the Grand Kankakee Marsh, often called the Everglades of the North. This massive wetland covered nearly a million acres across Northern Indiana and a portion of Illinois.³² In 1838, the Indiana government forcibly

removed the Potawatomi people who lived in the marsh, in a massacre that became known as the Trail of Death.³³

White settlers then drained 95 percent of those wetlands to convert them to farmland.³⁴ Tha's why drainage canals outline most of the McCloskeys' farmland. Those canals have been labeled impaired by the US Environmental Protection Agency for having excessive levels of *E. coli* bacteria in the water, which indicates contamination with animal waste.³⁵ The government recommends that people, especially children and the elderly, avoid drinking the water because of the risk of severe illness.³⁶

For the McCloskeys, the former marshland provided several key advantages. The area has lots of sand, which their operation needs for the cows' bedding, and the water supply is much better than in New Mexico.³⁷ Moreover, corn and soy, which constitutes a part of their cows' diet, grows for hundreds of miles east and west, lowering feed and transportation costs.³⁸

The location also presented an opportunity to take advantage of regional price diffe ences to game the infamously complex federal milk subsidy system. Subsidy payment is based on where dairy is processed, with lower prices in heavily industrialized regions. The move to Indiana likely meant that the McCloskeys would receive higher subsidies than in New Mexico, where the surrounding region was dotted with industrial dairies.³⁹

But the McCloskeys' new location in Indiana might have also provided an opportunity to sell milk in diffe ent geographic regions, depending on which ones paid more. One expert told me that a common strategy for large dairies like the ones owned by the McCloskeys is to sell into regions with fewer industrial operations, which tend to have higher rates. With lower production costs than family farms because of exploitive labor and environmental practices, the move to Indiana may have meant that the McCloskeys had the best of both worlds.

But even though they'd grown their herd by thousands, built a huge complex of dairy warehouses, and set up their permanent home in the former Grand Kankakee Marsh, the McCloskeys acted as if they were on the run from oblivion.

Milk production has increasingly become a race to the bottom. As farms have grown bigger and bigger and federal subsidies have increasingly encouraged more production, the dollar value of milk has declined. Oversupply has been catching up with the industry big-time, and thousands of operations have been calling it quits as prices have pushed out family farms that couldn't—or wouldn't—get bigger by stuffin their animals into metal sheds so their operations could stay in the black. It's the same phenomenon that decimated the pork industry.

If the McCloskeys' income depended on their participation in a market where prices were stuck in a doomed downward spiral, they'd never get off the treadmill. The McCloskeys' solution was to create a unique brand identity, a new product that American consumers would want more than the traditional milk.⁴⁰ That brand eventually became Fairlife.

Game Changer

The road to Fairlife was long and winding. The effo t went through diffe ent names, formulas, and branding strategies. The first variation appeared in 2004 under the name Mootopia, which was sold at H-E-B, a grocery chain based in San Antonio with locations across Texas. ⁴¹ The McCloskeys also tried a sports drink called Athletes HoneyMilk in Chicago-area Wal-Marts. ⁴²

Eventually, they launched the Fairlife brand, a new milk product resembling Mootopia, and rebranded Athletes HoneyMilk as Fairlife Core Power. ⁴³ The company started Fairlife production in a former General Motors plant in Michigan and opened corporate office in the chic West Loop neighborhood of Chicago. ⁴⁴

Milk has been going through hard times for a while in American shopping baskets. Since 1975, milk consumption per capita has declined by roughly 40 percent, with plummeting sales of whole milk driving this decline.⁴⁵ Grocery shoppers increasingly avoid buying foods perceived as high in fat and look for items dense with protein.

Fairlife addressed these problems with an ultra-filte ed milk—essentially, milk put through a special filtration process—to make its nutritional profile more attractive to health-obsessed shoppers. According to Fairlife, the product has 63 percent more protein, 38 percent more calcium, and half the sugars of normal 2 percent milk.⁴⁶ It's also lactose free and can sit in the fridge unopened for up to 110 days, compared with just a few weeks for normal milk.⁴⁷ The "added value" over normal milk allowed the McCloskeys to charge higher retail prices and slowly foster brand loyalty with higher-income, mostly urban consumers.⁴⁸

Fairlife hit shelves in 2014, with an initially rocky public response.⁴⁹ Stephen Colbert described it as "like they got Frankenstein to lactate."⁵⁰ In a taste test conducted by BuzzFeed, most people preferred normal milk, and the writer observed that "Fairlife is a little bit creepy to drink."⁵¹ The biggest diffe ence I notice is the color. Whereas a glass of pastured milk has a rich off-white color, Fairlife has an unnatural pure whiteness to it. Unlike the traditional glass bottle or clear plastic jug, Fairlife comes in a plastic container obscured by a full-bottle label, so shoppers can't see this unappealing coloring before they buy the product.

To turn Fairlife from a niche product into a famous brand sold in grocery stores across the country, the McCloskeys enlisted the support of the beverage world's most powerful partner: the Coca-Cola Company. Before launching Fairlife, the McCloskeys struck a deal for the multinational beverage giant to distribute the drink and buy a minority stake in the company. For Coca-Cola, Fairlife represented an opportunity to add another non-soda beverage to its growing roster of graband-go options.

Coca Cola's strategy for Fairlife mirrored the one it had implemented for its highly successful premium juice brand, Simply.⁵³ Unbeknownst to most American consumers, Coca-Cola owns both the Minute Maid juice brand and the Simply premium juice brand. Both brands sell orange juice but at two diffe ent price points, aimed at diffe ent types of consumers.

That was the plan for Fairlife, which the company hoped would serve as its fancier, more expensive line of milk products. Tha 's why the president of Coca-Cola North America referred to it at a conference as "a milk that's premiumized." As one Coca-Cola executive said bluntly, "We'll charge twice as much for it as the milk we're used to buying in a jug." 55

The strategy was wildly successful. Sales went from \$143 million in 2015 to \$702 million in 2021.⁵⁶ Fairlife has since expanded to other bottling locations across America and even one in Canada.⁵⁷ In January 2020, Coca-Cola purchased the rest of Fairlife.⁵⁸ The terms of the deal were not disclosed.

With the launch of Fairlife, the McCloskeys earned their status as Dairy Barons. They reinvented milk, developing a patented process that ultimately brought in hundreds of millions of dollars every year. But the environmental cost of their supersized dairy farms started to draw public attention, and once again, the McCloskeys had to defend their empire.

Wasteland

Dairy cows are eating machines, each consuming 110–120 pounds of wet feed per day.⁵⁹ And with this intake comes a lot of waste. The cows at Fair Oaks Farms produce about 430,000 gallons of manure every day.⁶⁰ For reference, that's more manure than is produced by the entire human population of Austin, Texas.⁶¹

The methane gas emitted by industrial dairies like Fair Oaks is an extreme driver of climate change. In fact, methane traps more than eighty times more heat than carbon dioxide over a twenty-year period. As industrial dairies began to pop up, climate scientists started to draw attention to the issue. In 2006, the Food and Agriculture Organization of the United Nations highlighted dairies' climate footprint, and three years later, the Worldwatch Institute issued a report that found that the problem of livestock emissions was even worse than the United Nations recognized. Sa

With this increased scrutiny, the McCloskeys faced a public backlash from the high-income consumers of Fairlife. So the McCloskeys took their weakness and turned it into a selling point, using the old strategy that the best defense is a good offense. Perhaps to preempt the critique that their industrial production model results in higher greenhouse gas emissions, they began promoting a new technology, manure digesters, as a solution to their methane problem.

The theory behind these digesters is simple. They are essentially giant, airtight manure tanks. Manure from the company's cows is pumped into a digester, where it remains for a few weeks. Inside, the manure is heated so that bacteria can thrive and consume solids, replicating what takes place in a cow's stomach.⁶⁴ Biogas produced by the manure is captured and converted to methane, which can be used as a source of energy.⁶⁵ The leftover matter from the digester is applied to the field as fertilizer.⁶⁶

The McCloskeys spoke to anyone who would listen about the sustainability of their operation and the digesters. As Mike once warned in a speech, "If we don't already have a script and are preaching it daily, . . . things can get out of hand." One *Fortune* article headline celebrated "how a huge dairy is solving a major pollution problem." The *Chicago Tribune* ran stories on the McCloskeys' desire to power their trucks with energy from cow manure. ⁶⁹ The McCloskeys even appeared on the

popular television show *Dirty Jobs*, where host Mike Rowe sold their environmental narrative like the items he used to sell on QVC. "At the end of the day when the dust settles, or in this case the poo," Rowe proclaimed, "Fair Oaks Farms turns out to be one of the greenest factories in the country."

If it sounds way too good to be true, that's because it is. The e are three catches with digesters. On a very basic level, some have argued that digesters do not make sense financially without massive government subsidies, for which industry leaders such as the McCloskeys have been lobbying for years.⁷¹ In congressional testimony in 2020, Mike McCloskey stated, "The primary impediment to on-farm digester adoption is the lack of financial incentives available to farmers. I strongly believe that once the proper incentives are in place, digesters will be adopted throughout the industry."

Even more important than cost are questions about digesters' effetiveness. A recent study published in *Nature* found significant methane emissions from digesters, which the researchers assumed was from leaks. The McCloskeys themselves have experienced this problem. The Indiana Department of Environmental Management fined their dairy operation for releasing too much gas from its digester equipment. The e have also been incidences of digesters exploding, which is not surprising, given the flammable nature of the gases involved.

But above all, the digesters "solve" a problem that doesn't even exist outside industrial dairy operations. On a traditional pasture-based dairy farm, cows defecate on grass and the manure serves as a natural fertilizer. The manure slowly breaks down through a process of aerobic decomposition, which releases carbon dioxide but little methane.⁷⁶

In an industrial dairy operation, manure is commonly stored in a pit or lagoon and undergoes a very diffe ent decomposition process. Manure releases methane only when it decomposes in anaerobic—

oxygen-free—conditions, as found in these pits and lagoons.⁷⁷ As a result, a pasture-based dairy farm doesn't produce anywhere near the amount of methane per cow as an industrial dairy does.

And yet, "green" payments to industrial factories for their manure digesters have begun. The US Department of Agriculture spent more than \$200 million on digesters in 2021 alone to help offset the cost.⁷⁸ A recent news story noted that in California, some industrial dairy farms could make more money from manure than from milk because of the state's cap-and-trade system.⁷⁹

These incentives mean that operators may be being paid to pollute more. It also gives another unfair advantage to industrial operations over family-owned pastured farms, entrenching the industry's worst practices. We're looking at a future in which pollution becomes an extra revenue stream that helps industrial dairies drive even more family farms out of business.

The story of digesters goes a long way toward explaining how barons like Sue and Mike use public coffers—and funding meant to help *all* dairy farmers—to go from wealthy to ultra-wealthy while polluting more and endangering workers and animals. A lot of the money that enriches large operations comes from obscure programs known as checkoffs. Few Americans know about these programs, but they affect our entire food system in stunning ways.

Checkoffs: griculture's Dark Secret

Checkoffs are entities financed by a mandatory tax levied on farmers. A dairy farm, for example, must pay the dairy checkoff a set dollar amount for every gallon of milk it produces. The money is then used—in theory—to collectively improve sales of a particular commodity. For example, the checkoff might conduct an advertising campaign to encourage Americans to buy more of the product.

Although commodity checkoffs are almost unknown outside the industry, most Americans are familiar with their work. For example, the famous "Got Milk?" advertising campaign was financed by the dairy checkoff. Fair Oaks Farms displays a gallery of "Got Milk?" celebrity photos in its hotel lobby. "Beef. It's What's for Dinner" and "Pork. The Other White Meat" are also famous campaigns developed and implemented by checkoff p ograms.

Commodity checkoff programs originated at the state level. During the Great Depression, the Florida legislature tried to boost consumption of citrus fruits produced by struggling farmers through a program funded by taxes on growers of oranges, grapefruits, and tangerines. Revenues were administered by a board appointed by the governor called the Florida Citrus Commission. The commission used some of these revenues to employ a national advertising firm to convince Americans to drink more Florida orange juice. 80

Other states soon followed suit and passed similar legislation approved by farmer referendums. The programs included one in Idaho for vegetables, one in Iowa for milk, and another in North Carolina for tobacco. ⁸¹ The first federal checkoff was created for wool with the enactment of the National Wool Act of 1954, followed by a checkoff for cotton in 1966 ⁸²

Although growth of the programs was slow at first, they expanded rapidly just as the food system was deregulated toward the end of the twentieth century. The growth of checkoffs overlapped perfectly with the replacement of the New Deal Farm Bill framework with one that incentivized overproduction. After all, one of the key missions of the checkoffs is to get Americans to buy more. As the government began encouraging overproduction at the behest of corporate interests, the checkoffs played an important role in stimulating demand that would consume the increased output. In the 1980s and early 1990s, Congress passed laws creating new checkoffs, including one for dairy in 1983 and one for pork in 1985.

The 1996 Farm Bill streamlined the process to establish new check-offs and empowered the USDA to oversee these programs.⁸³ In the wake of these changes, new checkoffs proliferated like dandelions. By the 1990s, nine out of ten farmers were required to contribute to a checkoff ⁸⁴ As of 2022, twenty-one categories of food products, from dairy to watermelons to popcorn, had an associated federal checkoff p ogram.⁸⁵

Most of the individual federal checkoffs are small entities. In 2016, about half of the federal checkoffs operated with less than \$10 million in revenue.⁸⁶ But dairy dwarfs its counterparts. Dairy-related programs alone accounted for nearly half of the \$885 million collected by checkoffs in 2016.⁸⁷ Because of a lack of transparency in these institutions, their size is rarely reported.

This model leads to clear ethical issues. The most extreme case involves cigarettes. In *The Cigarette: A Political History*, historian Sarah Milov described in vivid detail the critical role that tobacco checkoffs played in seeding doubt about the dangers of smoking.⁸⁸ Food policy experts worry that food checkoffs send similarly problematic messages, as with the dairy checkoff encouraging Americans to eat more ice cream amid an obesity crisis.⁸⁹

The money collected by checkoffs may even be used to fund junk science to support bogus health or climate claims. One former checkoff director noted that his checkoff shifted its resources from promotional campaigns to these sorts of "scientifi" studies because it found them to be a better use of funds. 90 "The old way of telling [our] story through advertising is dead," Tom Gallagher, chief executive office of the dairy checkoff, told an audience at the World Dairy Expo in 2016. "If we showed up with an ad . . . , people [would] go, 'That's big agriculture. I don't trust big agriculture. Those guys a e lying to me.""91

Gallagher laid out an alternative approach to checkoff spending during the same talk. He pointed to effo ts by the dairy checkoff to push back against attempts to regulate the greenhouse gas emissions of industrial dairies: "The e were those groups out there like WHO that were saying we were contributing eighteen percent to the carbon emissions, and we were able to correct that record." He even bragged about how the Obama administration relied on the research financed by the checkoff in its decision not to regulate industrial dairies. In 2023, an investigation by the *Guardian* detailed how checkoff funds were used to spread climate misinformation. 92

Although the programs are supposed to benefit all food producers, that's true for only a small segment of the industry. Deregulation in the past few decades has led to massive vertical integration in agriculture. For example, WH Group of Hong Kong, through acquisitions of companies such as Smithfield Foods, both owns the most hogs in America and is the largest slaughterer of hogs.⁹³

The largest agricultural corporations pay the most money into the checkoffs and consequently have gained disproportionate control over how the checkoffs operate. Recently, a vice president of Smithfield served as vice president of the pork checkoff ⁹⁴ Accordingly, the money spent by these checkoffs often bolsters corporate interests rather than the interests of all farmers who pay in.

In effect, the checkoffs force family farmers to pay a tax to their more powerful competitors. Often, these programs use this money to fight against the same family farmers who fund it. It's as if union dues paid by workers went toward their employers' effo ts to bargain down wages, strip benefits, and fire employees.

It's not a coincidence that nearly a quarter million hog-raising family farms left the business during the first twelve years of the pork check-offs existence. As agricultural expert John Ikerd noted, farmers "didn't realize the money was going to be spent to promote a kind of agriculture that was going to end up driving the independent producers out of business."95

But pork farmers grew wise to what was happening and momentum

grew to end the pork checkoff program in the late 1990s. In theory, farmers can vote to end a checkoff, but even that process seems rigged. Hog farmers in the Midwest organized and collected over nineteen thousand signatures asking for a referendum. ⁹⁶ In response, the pork checkoff hired a Washington, DC, corporate communications firm whose previous clients included large tobacco companies—to defeat the referendum. The pork group ultimately spent around \$4 million on the election.

Despite this lobbying effo t, the farmers voted to terminate the pork checkoff in September 2000.⁹⁷ But Ann Veneman, secretary of agriculture under President George W. Bush, threw out the vote. The courts stepped in and forced the USDA to ask farmers whether they wanted to hold another referendum.⁹⁸ The USDA claimed that the renewed effo t fell short of the required threshold, but it never released the final vote totals.⁹⁹

Anger against checkoffs continues to this day. A 2019 investigation by the *Milwaukee Journal Sentinel* found that the dairy checkoff was paying its ten top executives an average of \$800,000 each in 2017, even as a large number of Wisconsin dairy farmers were going out of business. "These high-priced marketing people sitting in fancy office in suburban Chicago were driving up to the meetings in luxury foreign SUVs," said Sarah Lloyd, a struggling Wisconsin dairy farmer. "They were using my money and (other) farmers' money when farmers' kids are on free and reduced lunch." ¹⁰⁰

The USDA is supposed to rein in these sorts of abuses, but it has largely disregarded its oversight role, as recent reports by the US Government Accountability Offic and the USDA Offic of Inspector General have found. 101 The result has been several highly publicized scandals of funds being used in questionable—if not illegal—ways. 102 One checkoff paid for the spouse of a "'senior staff member' to accompany him to New Zealand for a 'meeting.'" Another used payments to a subcontractor as a mechanism for paying its employees over \$300,000 in unauthorized

bonuses.¹⁰³ Given the high degree of secrecy in these organizations, this misuse of funds is likely the tip of the iceberg.

It's not entirely clear why the USDA works so hard to protect check-offs, but one theory is that it results from the cozy relationship between the checkoffs and USDA officials. It's a common career path for USDA official to work at a checkoff after leaving government service. Tom Vilsack, between stints as secretary of agriculture in the Obama and Biden administrations, made nearly a million dollars per year as an executive at the dairy checkoff. He waited only four days after resigning as secretary to announce his new job. 104

The McCloskeys have not always had a cozy relationship with the dairy checkoff. In fact, the couple may have been involved in a lawsuit challenging the constitutionality of the program. The suit was filed in 2002 by their longtime lawyer Benjamin Yale on behalf of Pennsylvania family dairy farmers Joe and Brenda Cochran. According to Brenda Cochran, Yale made it very clear that Mike McCloskey and his organization had an interest in the case. 106

The lawsuit may have represented an effo t by the McCloskeys to get out of their obligations to pay into the dairy checkoff. It was around the time of the lawsuit that the McCloskeys launched Mootopia, the early prototype of Fairlife. Perhaps they worried about paying into a program that would essentially help their competition by advertising generic milk.

But in 2005, the US Supreme Court threw out the Cochrans' law-suit, which meant the McCloskeys had to keep paying into the check-off ¹⁰⁷ For unclear reasons, the dairy checkoff started provided special funding to the McCloskeys to help them build their empire. Millions of dollars were routed to privately owned Fairlife. ¹⁰⁸ Checkoff money also went into the Fair Oaks tourism complex that advertises an industrial dairy model driving family farms into bankruptcy. ¹⁰⁹ And a portion of the science behind digesters was financed by the checkoff ¹¹⁰ A détente seemingly had been reached.

Shock Wave in the Dairy World

During most of the 2010s, the McCloskeys' sustainability publicity train kept on chugging down the track. It took an undercover team led by a Florida man to finally put a dent in their professionally crafted reputation.

In early June 2019, an organization called Animal Recovery Mission posted numerous photos and videos taken at warehouses owned by the McCloskeys. According to one media summary of the investigation, violence towards the animals appeared to be commonplace, typically stemming from frustration over the calves unwillingness to feed from artificial nipples. Another article described four-minute video [that] depicts young and newborn calves being stabbed, kicked and stomped, some left with obvious injuries. The animals were beaten with steel rods and burned with branding irons.

The videos received substantial press coverage, including in the *Chicago Tribune*, undermining the eco-friendly image the McCloskeys had carefully cultivated. As one headline put it, the story "destroys Fair Oaks Farms' charming facade."¹¹⁴ With national outlets covering the leak and the videos going viral on social media, Mike and Sue had a public relations crisis on their hands. ¹¹⁵ Several Chicago-area grocery stores soon announced that they planned to pull Fairlife products from their shelves. ¹¹⁶

Mike McCloskey responded quickly. In a video and written statement posted to the company's Facebook page, he took full responsibility for the actions in the footage and promised a series of reforms, including contracting with an animal welfare organization to conduct routine and regular audits.¹¹⁷

The fervor eventually subsided. The Chicago area grocery stores that pulled the product ended up putting it back on their shelves. ¹¹⁸ No new laws or regulations were enacted. The McCloskeys were taken at their word when they promised to do better.

But on closer inspection, the promised reforms seem like a farce. Mike McCloskey is listed as a staff member of the dairy welfare certification firm that Fairlife uses. ¹¹⁹ The audit was also performed by a rubber-stamping organization, according to Andrew deCoriolis of Farm Forward, an anti-industrial animal organization:

As far as I can tell, one of [the audit company's] primary roles is to help companies like Fairlife recover from bad publicity. My recollection is that Fairlife was not working with [it] until the investigation of Fair Oaks broke in the media. Basically, Fairlife's response to documented incidents of animal abuse was to hire an auditing company to audit their supplier farms to industry standard practices that Mike helped craft. 120

Following this scandal, Fairlife sales did dip, according to data from nationwide retail checkout scanners. But sales recovered in less than a year, and by August 2021 they were up more than 50 percent since the scandal broke. The company also settled claims for \$21 million that it falsely advertised its milk as coming from humanely treated cows. The scandal broke its milk as coming from humanely treated cows.

On a TEDx stage in 2018, Sue McCloskey said, "If you can't pull back the curtain and explain with confidence to your consumer, and describe what you're doing, then you may need to rethink what it is that you're doing." The curtain was pulled back on the McCloskeys, but there's little evidence that they did any serious rethinking of their business model.

Dorado Beach, a Ritz-Carlton Reserve

The McCloskeys' dairy empire is certainly the product of ingenuity. Who but a visionary could imagine a theme park entirely devoted to

industrial agriculture? And yet the record shows that the couple had a lot of help along the way, particularly from politicians.

According to one dairy expert, the McCloskeys "are the most powerful and politically influential dairymen in the US." One dairy publication even said, "Mike's fingerprints are on virtually every program and policy in the industry today." They are also very active in Republican politics. Over the past few decades, they've made more than two hundred political donations totaling nearly half a million dollars to almost exclusively Republican candidates. Their financial support included a \$25,400 donation to Donald Trump weeks before his surprising upset victory in 2016.126

The McCloskeys seem to have been rewarded for their contributions. Mike McCloskey served on Trump's agriculture advisory committee and was even under consideration to be his secretary of agriculture, according to *Politico*. 127 Although he didn't get the job, he did meet privately with Secretary of Agriculture Sonny Perdue and with President Trump at the White House. 128 The McCloskeys have also sat on well-connected boards, including the secretary of defense's Defense Business Board and the Indiana Economic Development Corporation. 129

Administrations on both sides of the aisle have tried to benefit from the McCloskeys' talent at public relations. As governor of Indiana, Mike Pence held a town hall at the Fair Oaks facility. Tom Vilsack, secretary of agriculture under both Barack Obama and Joe Biden, visited around the same time to preview a new exhibit financed by an agribusiness corporation. He told the *Indianapolis Star* that "what we see here at Fair Oaks is the broad scope of opportunity." 131

The McCloskeys are friendly to government when it is subsidizing Band-Aid remedies for industrial agriculture's environmental issues and helping them launch their most famous product. Checkoff money—essentially a tax on milk—produced big windfalls for the McCloskeys.

The 've constantly dipped into taxpayer-funded programs and lobbied Congress for money.

But boy, does Mike McCloskey hate taxes. McCloskey is chairman of Consulting & Ancillary Services of Puerto Rico (CASPR), a company that advises rich Americans on how to lower their tax bills, guiding them through a new tax avoidance program on the island. Here's how the company sells itself on its website: "As high-income earners, we cringe every time we sign over a significant chunk of our salaries to the government. . . . Rather than accepting this raw deal, we searched for an effecti e method to reduce our tax burden." 132

According to Jesse Barron in *GQ*, this new tax program "makes Puerto Rico the only place on U.S. soil where personal income from capital gains, interest, and dividends are untaxed. . . . To qualify for Act 22, individuals must prove to the IRS that they have become bona fide residents of Puerto Rico" by being on the island for a specified number of days. Most local residents are not eligible for the exemption. ¹³³ The program might explain why the McCloskeys list a condo at the Ritz-Carlton in Puerto Rico as a legal residence.

The McCloskeys seem convinced that their work benefits the common good and the wealth their family accrues from the deal isn't too relevant. But when the organization that runs Fair Oaks Farms applied for nonprofit status, the Indiana Board of Tax Review rejected it. The board pointed out that that the attraction ultimately promotes something for private gain. ¹³⁴ It makes one wonder why the USDA ignored what the Indiana Board of Tax Review viewed as a red flag

If you were being generous, you could argue that Mike McCloskey's tax schemes are in a moral gray area, but he's also been accused of crossing legal lines. In 2004, McCloskey settled with the US Securities and Exchange Commission for insider trading. He agreed to pay a penalty of \$185,000 without admitting or denying the allegations.¹³⁵

As for what the future holds, the McCloskeys' empire has never looked stronger. In recent interviews, Mike McCloskey mentioned that he wants to enter the Chinese market and expand dairy production to Puerto Rico. ¹³⁶ The COVID-19 pandemic hit industrial dairy hard at first, but the USDA stepped in with massive bailouts. ¹³⁷ The McCloskeys also received \$2.9 million in Paycheck Protection Program (PPP) money. ¹³⁸

According to the dairy publication *Milkweed*, Mike McCloskey seems to be back in business with the Coca-Cola Company too, despite the soft drink giant's attempts to distance itself from the McCloskeys in the wake of their scandals. In 2022, he visited industrial dairies in the Northeast as Coca-Cola scouted for a new Fairlife plant in the region. ¹³⁹ In May 2023, the company announced plans to build a 745,000-square-foot production facility in upstate New York, funded by the state to the tune of \$21 million in tax credits and up to \$20 million in additional capital grants. ¹⁴⁰ The justification for this taxpayer-funded generosity: 250 new jobs.

Meanwhile, the future of America's dairyland is similar to what has played out in Iowa: industrial, corporate food production that will further hollow out communities and encourage reactionary right-wing politics. More wealth will leave the places that produced it, and anger will fill the oid.

You can go see it all for yourself at the "Disneyland of agricultural tourism."

The Berry Barons

On Mar ch 27, 1977, a bomb planted by a separatist group known as the Canary Islands Independence Movement detonated at the Gran Canaria Airport. In response, air traffi controllers diverted flights to a small airport on a nearby island called Tenerife. As planes crowded the airport's single runway, the area was beset with waves of fog.¹

Among the disrupted passenger jets was Pan Am flight 1736, en route to the Canary Islands from Los Angeles. The plane was eventually given clearance to taxi down the foggy runway to fly to its original destination, but because of a pilot error, another Boeing 747 plane took off without clearance at the other end of the runway. A few seconds later, the two planes collided, resulting in 583 fatalities.² It is the deadliest recorded aviation accident to this day.³

Among the deceased were Joseph "Joe" and Glovie Reiter, owners of the Driscoll's, Inc. berry company.⁴ The couple had two adult sons, J. Miles and Garland.⁵ Both had grown up helping in the family business, but the tragedy forced them to take the helm.

The Reiter brothers took control of Driscoll's at a pivotal point in the company's history. As the US Congress and a string of presidents deregulated the Farm Bill and gutted competition protections, the brothers faced a choice: get big or get out. They decided to get big as fast as possible.

J. Miles and Garland Reiter now control about one-third of the \$6 billion US berry market. If you buy raspberries or blackberries in a grocery store anywhere in America, you're probably buying from them.⁶ They sell organic and conventional berries of all kinds, but they built their empire on strawberries, or, as strawberry workers refer to them, *la fruta del diablo*—the fruit of the devil.⁷

The brothers built this empire and fought off takeover attempts by the other fruit giants—Chiquita, Del Monte, and Dole—by figuring out a way to sell strawberries, blackberries, blueberries, and raspberries year-round.⁸ As the *New York Times* noted, Driscoll's year-round strawberry crop, thanks to its global production system, "gave the company a crucial advantage with supermarket chains, which prefer to deal with only one supplier." To solve the seasonality problem, the company leaned on a model of production that shifted responsibility for growing berries to third-party suppliers.

Given the company's prominence, you might be surprised to learn that Driscoll's doesn't grow any berries. Although it sells berries under the familiar Driscoll's brand in grocery stores around the world, the company itself does not actually cultivate the crop. Instead, it buys them from 750 growers in nearly two dozen countries, operations that together employ more than one hundred thousand people.¹⁰

This model helped J. Miles and Garland turn the regional company they inherited into a global powerhouse. Even more amazing, they did so while evading responsibility for water and labor issues that, as one berry expert told me, underlie everything in berry production.

The ike Model

To understand Driscoll's, it's helpful to think of it less as a farm business than as a genetics and marketing company. Driscoll's owns the patents to the berry's genetics, which it licenses to approved growers on an exclusive basis. The company then markets these berries under the Driscoll's brand.

This involvement with genetics is deeply embedded in the company's DNA. The Reiter family has farmed berries in California for generations.¹¹ In the early 1900s, J. Miles and Garland's grandfather, Joseph "Ed" Reiter, teamed up with his brother-in-law, Richard Driscoll, to develop and market a variety called the Banner. The berry stood out from the crowd. But at that time, there was no way to patent a plant's genetics, which meant that anyone could cultivate the variety, so Reiter and Driscoll had competition.¹²

This hurdle was removed when President Herbert Hoover signed the Plant Patent Act of 1930, which enabled Reiter and Driscoll to claim ownership of breeds they engineered. The Banner variety was ultimately hit hard by disease—a common issue with monocultures—but the business model had been proven.¹³

Driscoll's isn't alone in exploring advances in strawberry genetics. The University of California system has long run a strawberry-breeding program to boost the industry. As Dana Goodyear described in the *New Yorker*, the operation "is Driscoll's antithesis—public, open, nonexclusive—supplying, for a nominal royalty fee, any grower wishing to use its plants." ¹⁵

Yet despite the UC lab's commitment to open-access science, the Reiter family found a way to privatize its effo ts. The program ran into problems in the middle of the twentieth century. Most of the strawberry growers in California at the time were Japanese, and when over 120,000

Japanese Americans were imprisoned during World War II, there was suddenly a severe shortage of growers. The disruption likely hurt the lab's finances. In the Reiters' telling, the problems were so serious that the strawberry lab at UC Berkeley was making plans to abandon its work, though ultimately it never did.¹⁶

It was in this void that the Reiters sowed the seeds of their fortune. Two key researchers quit the university program and went to work for the family.¹⁷ With these hires, the Reiters grabbed the knowledge and skills that had previously been directed toward building intellectual property available to the public and instead put them to work producing privately owned varieties of strawberries.

Driscoll's was established in 1950 when Ed's son, Joe Reiter, joined forces with a few other berry growers. ¹⁸ Not long after, some wily genetic maneuvering produced a patentable strawberry that could be shipped to the East Coast, which was the holy grail of strawberry breeding. ¹⁹ The variety also fruited later than its competitors, giving it a seasonal advantage that creates a temporary and lucrative monopoly. Tha 's one reason why California currently grows 90 percent of domestically produced strawberries. ²⁰ Before the variety was patented, the state ranked only eighth nationally in terms of acreage used in strawberry production. In fact, Arkansas once had three times the acreage of California. ²¹

Driscoll's focus on genetics resembles the business model described by Naomi Klein in her book *No Logo: Taking Aim at the Brand Bullies*. Klein deconstructed the rise of the brand and the logo, with a particular focus on the example of Nike, a multibillion-dollar company that doesn't actually manufacture anything. Instead, it pays to put its logo—the infamous swoosh—on clothing that other companies make.²²

Nike's competitive advantage is not in its products but in its brand. Nike spends most of its time and energy putting together ad campaigns featuring the swoosh. A generic gray shirt might sell for \$10, but the same shirt made in the same factory with a swoosh printed on it sells for

three times more. The price diffe ence reflects customers' willingness to pay a premium for a piece of clothing to associate themselves with the image created by Nike's ad campaign.

The Driscoll's business model is in many ways akin to those of Nike and some of its neighbors in Silicon Valley. Its niche isn't to grow the strawberries but to breed, brand, and transport them and rake in profits from everyone else's sweat. A senior vice president at Driscoll's summed up this philosophy, pointing out that "[berry] growers are sort of like our manufacturing plants. We make the inventions, they assemble it, and then we market it, so it's not that dissimilar from Apple using someone else to do the manufacturing but they've made the invention and marketed the end product."²³

Although Driscoll's does not farm the berries it sells, it maintains control over the fruit throughout the process. Driscoll's likely dictates how the fruit is grown and, of course, sets the price it will pay to the farmers. This model of production has deep roots in American agriculture. Professor Douglas H. Constance refers to it as the "Southern Model" and argues that it emerged in chicken production in the South in the 1940s before becoming the norm in that industry by the late 1950s.

Under this model, a corporation controls almost every aspect of the production chain. In the case of chicken, the corporation owns the breeding, hatching, feed mills, transportation, and processing plants, meaning that it does everything but raise the bird, which it usually contracts out because it is the riskiest part of the production process. The farmer, meanwhile, is required to use the corporation's hatchling and feed and then sell the bird back to it. According to Constance, "contract [chicken] production is but a formalized form of sharecropping." As a result, Constance considers the Southern Model to be "a remnant of slavery in the U.S. South." ²⁴

The Southern Model quickly spread across the food industry and around the world, with nuances specific to crop and locale. The

relationship between Driscoll's and its approved suppliers is not necessarily as exploitive as the one between chicken farmers and companies like Tyson's. After all, Garland Reiter is the chief executive office of an entirely separate company that grows berries for Driscoll's as an approved supplier.²⁵ Yet ultimately, by owning its brand and the genetics of the berries, Driscoll's maintains control over the entire production chain even as it disclaims responsibility for growing the berries.

These days, Driscoll's employs about thirty people at nine locations across the globe to do this breeding.²⁶ The company refers to these scientists as "Joy Makers," referring to the ecstasy of biting into a delicious, perfectly engineered berry.²⁷ J. Miles bragged in a company promotional video that "it is unusual in our industry to commit as much as we do to R&D, but it was really the basis for founding Driscoll's."²⁸

The Essential ngredient

Driscoll's headquarters sits at the end of a cul-de-sac in a generic building in an offic park in Watsonville, California, right next to Highway 1, the iconic coastal highway. The e are no tours or company store or even a berry statue. You would never guess that a berry empire is run out of this nondescript slab of concrete but for the Driscoll's sign out front. But once you start poking around, you begin to see the tendrils of the empire snaking out.

The California Strawberry Commission is located just up the road, in the same offic park as Driscoll's. California strawberry growers founded the organization in 1955 to try to get more people to eat strawberries.²⁹ Eventually, the group evolved into a powerful state-level checkoff program, similar to the checkoff the Dairy Barons used in building their empire. It's hard to imagine that when the California Strawberry Commission is deciding how to spend its dollars, executives from Driscoll's don't take a stroll down the parking lot.

Surrounded by berry fields about fifteen miles east of Santa Cruz, Watsonville is nestled in the heart of the Pajaro Valley, a key center for agricultural production in the state.³⁰ Even aside from Driscoll's suppliers, many of the valley's large employers have some connection to farming. Watsonville's population of about fifty thousand is mostly working-class Latino.

In honor of its berry heritage, Watsonville hosts an annual Strawberry Festival each August. The e's a strawberry pie—eating contest and a strawberry-themed amusement park ride. Driscoll's has been a sponsor of the festival for the past several years. When I attended the 2022 festival, it reminded me of the St. Jude Sweet Corn Festival thrown by my church each August in Cedar Rapids, Iowa. The Watsonville Strawberry Festival is a celebration of the crop that surrounds the city but also an excuse to ride a Ferris wheel, eat a funnel cake, and play some carnival games. You can even get your picture taken with someone dressed up as a strawberry.

Watsonville is in one of the two big strawberry-producing regions in America. The other is farther south, near the cities of Oxnard and Santa Maria, just north of Los Angeles.³¹ In both areas, "the natural air conditioning of the Pacific Ocean keeps the [coastal farmland] cool and foggy."³² Berries love this climate. It means they live in a perpetual spring, so they end up producing strawberries for much longer than the berries in my grandpa's Iowa backyard, which fruit for only a short time.

But while the temperature may be perfect for strawberry production, the rainfall isn't. In fact, Watsonville gets only about an inch of rain between May and September.³³ Tha's a problem for water-intensive crops such as strawberries. After all, 91 percent of a strawberry is water.³⁴

Because Driscoll's suppliers aren't getting their water from the sky, they're largely pumping it from underground. Roughly 90 percent of the water supply in the Pajaro Valley comes from groundwater. Driscoll's

acknowledges that most of the fields in which the company's fruit is grown are irrigated with groundwater.³⁵

Those wells have contributed to the aquifers becoming severely over-drafted—more water fl ws out than in—and to salt water being drawn in from the ocean.³⁶ Tha's a problem for the farmworkers and other residents who rely on wells for drinking water, particularly when drilling new, deeper wells in California can run to \$55,000, according to the *Washington Post*.³⁷ It's also bad for the farms themselves; some farmers in the Pajaro Valley have found that the groundwater is too salty to use for irrigation.³⁸

The groundwater problem has reached crisis proportions not just in Watsonville, which at least enjoys a coastal climate with wet winters, but throughout the state. Unlike states like Iowa that typically get enough annual rainfall to support crop production, many parts of California do not. In fact, large swaths of California's farmland receive less than ten inches of rain annually, meeting the technical definition of a dese t.³⁹

And the farther south you go, the drier it gets. Seventy percent of Californians live in the southern part of the state, where only 30 percent of the water originates, but they use only a fraction of the limited water reserves. Farmers in the state, on the other hand, suck up approximately 80 percent of all water used in California. ⁴⁰ Berry production isn't even the most harmful. In fact, almond production in California uses more water than all the people in Los Angeles and San Francisco combined, according to calculations by *Mother Jones*. ⁴¹

Driscoll's certainly didn't create California's water shortage, but the company's rise parallels the development of a byzantine system that uses more water than nature can provide. In the 1930s, as Ed Reiter and his son Joe were branching out into raspberries, California began building the dams, aqueducts, and canals that would move water from the northern tip of the state to the south. Most of the water in this system comes from snowmelt from the Sierra Nevada range. But there's only so much

snowmelt, and when it's not enough, farmers and others start drilling and pumping. Because the snowmelt replenishes those underground water reserves, a dry year means shortages all around.

From the earliest days of California's water projects, lack of regulation created a vicious cycle. More infrastructure and wells allowed California farmers to move onto ever drier, poorer ground that required even more irrigation.⁴² As investigative reporter Mark Arax noted, "the more water [they] got, the more crops [they] planted, and the more crops [they] planted, the more water [they] needed to plant more crops, and on and on."⁴³

Two generations later, the Reiter brothers recognize the bind. J. Miles has called a severe lack of water "the single greatest risk to the future of farms in California" and acknowledged that "California has to deal with groundwater, or we're going to ruin this state." When California passed a law in 2014 requiring local agencies to regulate groundwater, Reiter griped that "this is going to be the most miserable of all regulations I've ever dealt with. But the consequences of doing nothing are beyond our imagination."

To their credit, the Reiters aren't doing nothing. The company has worked with its growers to adopt conservation techniques, including using microsprinklers and soil moisture sensors to use water only when necessary. In 2010, Driscoll's helped establish a community-led forum to address the overdraft issue in the Pajaro Valley. The signature project was a wireless irrigation network that, according to Driscoll's, led participating farmers to reduce their water consumption by 30–40 percent. The signature of the participating farmers to reduce their water consumption by 30–40 percent.

Yet these effo ts, while admirable, can't change the fundamental fact that Driscoll's suppliers and their berries are part of an agriculture system currently demanding more water than the local environment can support. California enacted legislation in 2014 to curtail water use to a sustainable level starting in 2040, but experts think that does not go nearly far enough.⁴⁸ The state will likely need to fallow hundreds of thousands

of acres of farmland to achieve a sustainable aquifer, but few want to face that reality.⁴⁹ After all, California supplies 90 percent of the country's strawberries, not to mention three-quarters of its fruits and nuts.⁵⁰

For Driscoll's, the specter of drought will continue to hang over the strawberry fields that supply its core product. J. Miles Reiter has called water the company's biggest priority, rivaled only by labor: California agriculture's other, even more shameful legacy.

A Modern-Day System of Indentured Servitude

In May 2020, in the early days of the COVID-19 pandemic, berry pickers at Rancho Laguna Farms, a Driscoll's supplier in Santa Maria, went on strike. They pushed for a raise of ten cents per box of berries collected, up from \$1.90 per box, which rarely added up to minimum wage. Because strawberry pickers are paid piecework rate, they must work fast to make a decent living, typically between \$70 and \$150 per day. But the managers at Rancho Laguna were requiring their pickers to select only the best berries, which slowed them down and cut their wages to roughly \$50 per day.

Workers at Rancho Laguna were concerned not only about low wages but also about a lack of COVID-19 protocols. One woman, called Rosa in the press because she feared giving her real name, heard that some of her coworkers had tested positive but that the foremen were ordered to "keep it quiet." According to Rosa, the farm had originally spread out workers, but by May 2020, that caution was out the window.⁵¹ The situation had gotten so bad that the nonunionized workers joined together to demand better pay and conditions. Rosa acknowledged that "it just made sense to unite as workers because it gave us more power to inflence the company."⁵²

That influence has never been welcomed by the Berry Barons or their compatriots. You can trace corporate resistance to worker power in the industry all the way back to the passage of the National Labor Relations Act of 1935, which forbade employers from firing workers for joining or organizing a union but made an exception for farmworkers and domestic workers.

Th ee years later, farmworkers were again denied the protections guaranteed for their counterparts in other industries when they were shut out of the minimum wage and overtime pay requirements of the Fair Labor Standards Act.⁵³ Given that these jobs were dominant forms of employment for Black Americans at the time, it's important to acknowledge the role of structural racism in these decisions.⁵⁴

Today, 95 percent of agricultural workers in California are immigrants.⁵⁵ Beginning in the 1940s, the United States and Mexico signed a series of agreements that arranged for Mexican laborers to temporarily work in American agriculture. The Bracero Program, as it was known, was supposed to ensure that workers had decent meals and housing, wages equivalent to those received by US-born employees, and transportation back to Mexico. But in reality, the program enabled growers to take advantage of vulnerable people to break strikes and undercut workers' bargaining power.⁵⁶

The e was a moment of hope in subsequent years as leaders such as Cesar Chavez and Dolores Huerta fought for the rights and well-being of agricultural workers. Chavez and Huerta cofounded the United Farm Workers union, which attempted to organize California farmworkers, including berry pickers.⁵⁷ They made significant gains in the 1970s, including stronger legal protections, increased wages, and greatly improved working conditions.⁵⁸

But as large corporations gained power and consolidated, they began to claw back the gains that these workers had fought for.⁵⁹ The Immigration Reform and Control Act of 1986 created a formal vehicle for businesses to import low-wage, temporary farm labor under the H-2 visa program. The creation of the H-2A visa fundamentally

altered the American food system.⁶⁰ During the past twenty-fi e years, the number of workers who migrate to the United States under this program has grown exponentially, with the total doubling between 2011 and 2016 alone.⁶¹

Many of these workers are former farmers who were forced off their land in their home countries. Upon signing the North American Free Trade Agreement in 1994, with the encouragement of Big Ag, Mexico fully opened its borders to American grain exports. NAFTA represented a windfall for the Grain Barons and their ilk, but the influx of heavily subsidized American grain undermined local farming economies, particularly family farms. As a report by Oxfam International put it, "there is a direct link between government agricultural policies in the US and rural misery in Mexico."

Mexico lost over 1.9 million farming jobs in the first decade after NAFTA.⁶⁵ These farmers were forced to "migrate or starve," so they streamed across the border either under the H-2A guest worker program or as undocumented immigrants.⁶⁶ The pain was particularly felt by Indigenous communities, which is likely why a large number of migrant workers and undocumented immigrants from Mexico and Central American countries such as Guatemala do not speak Spanish.⁶⁷

"Rosa," who joined the strike at Rancho Laguna Farms, is a Mixteco mother of three from Oaxaca, in southern Mexico. Like most pickers in California, she is undocumented, making her particularly vulnerable to the whims of her employer. When she returned to work after the strike, she and her coworkers were sent to one of worst fields, ordered to pick only the best berries, and given larger boxes to fill, which sliced their pay even further. If she didn't like it, supervisors told her, she could be easily replaced. 69

Undocumented workers are the most vulnerable, but even being "legal" doesn't provide much protection. The H-2A guest worker program essentially encodes second-class citizenship by creating a

mechanism for these folks to live in the country with limited rights.⁷⁰ The Southern Poverty Law Center has called the guest worker program a "modern-day system of indentured servitude," except that guest workers have no pathway to American citizenship and instead are forced to leave the United States when their temporary work visas expire.⁷¹

The workers at Rancho Laguna were at least supported by a local advocacy group called Central Coast Alliance United for a Sustainable Economy (CAUSE). Most crop workers do not have access to lawyers.⁷² Instead, they are essentially held captive by their employers or by labor brokers, who control their documents. Former US representative and House Ways and Means Committee chairman Charles Rangel called the guest worker program "the closest thing I've ever seen to slavery."⁷³

Corporations can take advantage of undocumented and guest workers because they fear deportation, which may be why farmworker union membership has fallen from around eighty thousand to ninety thousand members in the 1980s to essentially zero today.⁷⁴ It's not a coincidence that the average farmworker in California made only \$31,770 in 2021.⁷⁵

Guest workers are also less likely to report workplace abuse or injuries. Federal reports list agricultural work as a profession with high mortality rates from workplace injuries. Federal picking is not an easy job. Picking strawberries requires workers to be stooped over for hours at a time, often under a hot sun. Hence the phrase *la fruta del diablo*. In 2019, Human Rights Watch issued a report that documented what working in the industry entails:

[The farmworkers] showed the scars, scratches, missing fingers, or distended, swollen joints that reflected these stories. Some broke into tears describing the stress, physical pain, and emotional strain they regularly suffe. Almost all explained that their lives, both in the plant and at home, had grown to revolve around managing chronic pain or sickness.⁷⁷

The H-2A system hurts all working Americans, not just migrant workers. In its report on the subject, the Southern Poverty Law Center pointed out that "as long as employers in low-wage industries can rely on an endless stream of vulnerable guestworkers who lack basic labor protections, they will have little incentive to hire U.S. workers or make jobs more appealing to domestic workers by improving wages and working conditions." By putting downward pressure on wages, the H-2A program provides a huge windfall to the largest producers at the expense of pretty much everyone else.

The Reiters have been very vocal supporters of the H-2A program, advocating for its expansion and for loosening of restrictions.⁷⁹ Not unrelatedly, the labor organizer I spoke with told me that he's heard plenty of horror stories about the farms that produce berries for Driscoll's, with wage theft being the most common issue.

When the laborers at Rancho Laguna Farms tried to go up the chain of command and protest outside the Santa Maria offic of Driscoll's, a spokesperson sidestepped the issue. The company shared a statement with the *Santa Maria Sun* that tried to minimize its role, arguing that "Driscoll's does not have a role or legal standing in this process." 80

Later, when the petition at Rancho Laguna ballooned to fifty-se en thousand signatures, and after the workers and the farm reached a settlement, Driscoll's was compelled to issue a new statement. On its website, the company posted: "Driscoll's is always fully committed to protecting the health and safety of those who work across our broader enterprise, including the harvesters employed by our independent growers. . . . Driscoll's swiftly followed-up on these concerns and will continue to monitor Rancho Laguna Farms' progress in this area and ensure all commitments are fully implemented."81

At times, public pressure forces the company to engage with the issue of labor. But Driscoll's can always disclaim responsibility for the acts of its suppliers, even though its model incentivizes farmers to squeeze workers as hard as they can. By focusing on breeding and contracting out the actual farming, the company can claim plausible deniability for how growers treat the workers. The handy part about being brand managers and owners of intellectual property is that you can rake in the profits from indentured servitude without employing a single farmworker.⁸²

The uest for Physical Perfection

In early September 2022, farmworkers and other residents of the Pajaro Valley held a press conference on a thirty-foot-wide dirt road that separated berry fields from an elementary school.⁸³ Parents and children held a printed banner pleading "Stop Poisoning Our Kids: Go Organic!"

The group called on berry growers to stop spraying traditional, nonorganic pesticides near schools and residential areas, which they believed were responsible for neurological and other diseases affecting local children. They didn't seem to buy the industry-funded studies that claimed the chemicals were perfectly safe. ⁸⁴

A few months later, J. Miles Reiter and other Driscoll's employees met with the activists. Reiter acknowledged that over time, going organic was a worthwhile goal. But the company made no commitment to require its growers located near schools, parks, and hospitals to do so.⁸⁵ Reiter had earlier argued that it was up to the growers, not Driscoll's, to decide whether or not to go organic.

Once again, being the seller of berries, rather than the grower, proved useful. Yet Driscoll's has set up a system that makes these chemicals if not necessary, certainly expedient. It all comes back to producing as many identical berries as cheaply as possible.

To understand why fumigants are particularly attractive to Driscoll's suppliers, and strawberry growers in general, it helps to know a little about the plant itself. If you've ever grown strawberries in your backyard, you might have noticed that the plants sprout horizontal stems

that run above the ground and generate new plants at varying intervals. The main plant is known as the "mother," and the horizontal stems bolting above the ground are known as "runners." The runners are effetively clones of the mother plant.

I used to help my grandpa with his strawberry patch behind his house in Iowa. He would till every other row so that the runners could fill in that space. It's a common practice with strawberries because younger plants tend to produce more berries, which of course is the goal for a global supplier such as Driscoll's.

Many breeders like Driscoll's truck the mother plants up to the mountains along the Oregon and California border to expose them to cold air, priming the runners for maximum production. When it's time for growing season, they plow under the mothers and ship the runners to growers on the coast. These offspring will produce the berry crop you see in the grocery store. Growers also constantly cut their runners so that the plant can focus its energy on growing the biggest berries possible. At the end of the season, the runners are also plowed under, and each year the land is planted with a new batch.⁸⁶

The Reiter brothers use this system to accommodate the particularities of strawberries, which are fickle and research intensive to breed. Like hybrid corn seeds, strawberry seeds don't yield the same plant they came from but instead produce a slightly diffe ent variety. To get exactly the same berry they patented, the Reiters need clones.

The downside of planting clones is that they create the potential for disease to spread rapidly because of their genetic similarities. To prevent crop loss, berry farmers fumigate their land before planting the runners. If you've ever driven near strawberry fields, you might notice rows of black plastic mounds. The mounds make it easier for pickers to collect the berries, and the dirt is enclosed in plastic to capture the fumigation gases injected into the soil. This process kills essentially everything in the soil, including insects, weeds, and fungi.⁸⁷

Organic strawberry fields are typically not subjected to these chemicals. Instead, an organic farmer might grow berries in a diffe ent field each year, returning to the original plot only after several years to make sure remnants of diseases don't remain in the soil. Driscoll's does control about 60 percent of the US market for organic strawberries, but this is likely a small portion of its total business. After all, the fumigation approach requires less land, which is key when you're supplying a global market. For most of Driscoll's suppliers, fumigants are just part and parcel of farming.

The most powerful and important fumigant—methyl bromide—was widely used dating back to the 1960s. Sociologist Julie Guthman, who wrote a book on the subject, believes that this highly effecti e odorless, colorless gas fueled the strawberry industry's growth. But then scientists discovered that it eats away at Earth's ozone layer. Despite years of industry resistance, this finding led to restrictions on the use of methyl bromide for strawberries grown outside nurseries.⁸⁹

Methyl bromide has largely been banned, but other fumigants have taken its place. The use of these gases has stirred protest not just in the Pajaro Valley but across California, where berry fields often abut schools, parks, and hospitals. For context, one district in the state has eighteen schools located directly adjacent to farmland. That's significant because some studies have linked fumigants to lower IQs in kids, along with other health problems.

Eventually, the chemicals can make their way into nearby waterways. As with the area around the Dairy Barons' Fair Oaks Farms complex, the US Environmental Protection Agency has classified most of the canals that surround Driscoll's and the California Strawberry Commission as impaired, largely because of the presence of bacteria and toxic chemicals.⁹⁴

For the most part, farmworkers and their families have dealt with the brunt of this pollution. J. Miles and Garland Reiter certainly don't live near the berry fields; they own coastal estates in Santa Barbara and Santa Cruz. 95 In fact, a lot of "farmers" in California don't live on farms. The largest farmer in California lives in Beverly Hills and controls almost enough farmland to cover the fi e boroughs of New York City. 96

Increasingly, farm owners aren't even individuals or families but are corporations and other institutions. Harvard University bought thousands of acres of California farmland as part of its investment of its massive endowment. ⁹⁷ The arrival of Wall Street money has only intensified inequality in an already unequal area.

Offshorin

Not long after J. Miles and Garland Reiter took control of Driscoll's after their parents' untimely death, a series of critical changes to the legal framework and the food retail market presented an opportunity for them to put the company's model into hyperdrive. The Reiters took advantage, outsourcing the farming of their berries not just to independent contractors but out of the country entirely.

Outsourcing production to overseas subcontractors is commonplace in corporate America, and Driscoll's is no diffe ent. Today, the Reiters' network employs people on every continent except Antarctica. Much as their ownership of intellectual property and their ability to create a brand, the Driscoll's model is based on shifting farming out of the country to companies that don't need to worry about US minimum wage laws or environmental regulations.

The model mirrors the way companies such as Nike benefit from unethical practices of overseas subcontractors. It is increasingly common across the food industry. Recent investigations have uncovered the use of child workers and other shocking labor practices in the production of tomatoes in Mexico bound for America, along with the involvement of

drug cartels in farming the avocados we eat.¹⁰⁰ Mexico is, incidentally, one the Reiters' favorite places for berry production.

Driscoll's began importing berries from Mexico around the time President Bill Clinton signed NAFTA and the Wall Street Farm Bill into law. ¹⁰¹ Meanwhile, the loosening of America's competition rules led to a roll-up of retail grocery stores. Consolidation in one part of the food sector added pressure for other sectors to consolidate. As one agricultural expert told me, big boys want to run with big boys. Walmart, after all, does not want to find a local ber y farmer for each store.

A large portion of Mexico's berries come from the San Quintín Valley, an arid area 180 miles south of Tijuana. ¹⁰² In 1987, prior to passage of NAFTA and the Wall Street Farm Bill, this valley produced only 9,000 tons of berries. By 2020, that number had increased to 120,600 tons in Baja. ¹⁰³ Anthropologist Christian Zlolniski refers to this area as an agroexport enclave because few of the berries produced there are eaten domestically. Instead, nearly all berries are exported. ¹⁰⁴ As a result of this boom, Mexico surpassed Spain in 2019 as the world's leading strawberry exporter. ¹⁰⁵

What makes this feat more incredible is that the San Quintín Valley is one of the driest places in North America. Its annual average rainfall is less than three inches, about as much as that of Death Valley. ¹⁰⁶ This climate means that farmers were forced to turn to groundwater to fuel the berry boom. In fact, agriculture uses more than 95 percent of the water in the area. ¹⁰⁷

But pumping groundwater is likely even less sustainable in the San Quintín Valley than in the Pajaro Valley, where the Driscoll's headquarters is located. According to Zlolniski, the industrial berry growers' political power has resulted in the local government looking the other way on their water use. It's unlikely that the same leniency is shown for local farmers. ¹⁰⁸

Accordingly, more water is being used than can be replenished. Tha 's why the Reiter brothers built their own desalination plant to use ocean

water; according to a Driscoll's representative, this represents the first time seawater has been used for agriculture in Mexico. The Reiters' investment suggests that berry production in the region will soon be dependent on it.¹⁰⁹

Yet even taking these issues into account, the shift in production has likely led to a windfall for the Reiters. The biggest expense in berry production is labor, and the move of Driscoll's to Mexico and elsewhere helped defray that cost.

In 2015, the poor labor conditions in the San Quintín valley came to the attention of American media. The workers, mostly Indigenous people from some of Mexico's poorest states, such as Oaxaca and Guerrero, staged a massive strike. They demanded wages of \$13 per day and an end to crew bosses' sexual harassment of female pickers. The strike eventually ended when the government sent in the military. With this show of force, workers were offe ed only a fraction of what they demanded.

One of the targets of the protest was BerryMex, a supplier to Driscoll's. At the time, workers received just over two cents for each dollar a shopper spent on organic strawberries. But BerryMex isn't just any supplier; it is owned by the Reiters. I'm really proud of what BerryMex does and I would love to see it publicized accurately, responded J. Miles when asked about the protest in 2015. It's really a lot to be proud of there.

And this sort of abuse is not localized to Mexico. A 2022 investigation by the *Guardian* documented similar worker abuse by Driscoll's suppliers in Europe. They discovered workers who earned less than the legal minimum wage and far exceeded legal limits for working hours. A spokesperson for the Reiter brothers promised a "thorough audit" of these growers.¹¹⁵

The ability to send production offsho e undermines labor reforms for American farmworkers and essentially reverses decades of hard-fought gains. As one produce farmer told me, any effo t to improve the conditions of American farmworkers essentially means that more produce will be grown outside America. The recent Republican rhetoric against immigration heightens this trend. American fruit and vegetable imports almost doubled from when Donald Trump took offic to when he was finally fo ced to vacate it.¹¹⁶

As American agriculture focuses on growing more and more commodities for processing and export, fruits and vegetables are increasingly imported from other countries. Following this trend, an ever-growing volume of strawberries consumed by Americans is imported, and the Reiters have a lot to do with that.¹¹⁷

But the problem is not specific to strawberries. Since the 1990s, the United States has been a net importer of fresh and processed fruits and vegetables, and the gap gets bigger every year. More than half of all tomatoes sold in America are now brought in from Mexico, and nearly 60 percent of the apple juice sold in the United States comes from China, even though most of the United States has a climate conducive to apple production. 119

The problem is so bad that salmon caught in the United States is shipped to China for processing and then shipped back to the United States for consumption. And in California, fruit and vegetable fields are being replaced with nut trees intended for export; 70 percent of almonds and nearly half of pistachios grown in California are exported.

The offshoring of the American food system has made our food more like the rest of the American economy: uniform, lackluster in quality, and highly consolidated. This restructuring is visible in every aisle of the grocery store. Eaters get a lower-quality, blander product; there's a night-and-day diffe ence between a backyard strawberry and a bloated, tasteless Baja berry.

This system also exacerbates climate change. The farther food travels to get to your plate, the more carbon is put into the atmosphere via

a fossil-fuel-intensive transportation system.¹²² Meanwhile, farmworkers—including many berry pickers—are increasingly exposed to smoke from wildfi es, which are becoming more common because of climate change. As Inside Climate News reported, these workers often "are forced to toil through fi es that are not just more frequent and severe but more toxic than ever."¹²³

The food system is dynamic and always shifting. But when corporations such as Driscoll's run the show, it shifts in whatever direction allows them to accrue maximum profits. Tha's the current trajectory of American agriculture. One place after another is destroyed just to keep profits up, no matter the cost to workers, to the environment, or to natural resources. Wall Street and large corporations such as Driscoll's have taken control of the agricultural sector, while the communities they operate in and the workers who pick their berries are left holding the bag.

As for their next move, the Berry Barons plan to grow their global empire even further. They recently purchased berry companies in the United Kingdom and one that operates in sub-Saharan Africa. They also plan to triple their investments in China over the next fi e years. And they even announced their intention to build an indoor farm meant to produce over four million pounds of strawberries per year in Virginia, near the large East Coast berry market.

The Reiter brothers built their fortune on water-intensive farming that can't be sustained. But what elevated them to baron status was shifting production onto others and dodging responsibility for the havoc it causes. They are a pair of barons that only the twenty-first century could have created.

The Slaughter Barons

On the night of Mar ch 7, 2017, Michel Temer, the president of Brazil, welcomed Joesley Batista, chairman of meatpacking giant JBS, into his home for a meeting. The pair made awkward small talk before turning to the urgent matter that brought them together: Temer's presidency was under threat.

A sweeping anti-corruption probe was roiling Brazilian politics, and investigators had already linked one of Temer's political allies, House Speaker Eduardo Cunha, to a graft scheme involving an oil company in which the Brazilian government owned a majority of shares. President Temer was likely worried that Cunha would implicate him in the scandal.¹

Joesley Batista tried to soothe the president by telling him that he was "taking care" of the problem. His company had been sending bribes to Cunha "every month" and had even given one of Batista's personal helicopters to Cunha's fi er.² Temer replied, "You need to keep that up, got it?" Batista agreed that he would.⁴

Temer felt reassured, but he was really being betrayed. Unbeknownst to the president, Batista had been wearing a wire as part of a plea bargain related to his company's role in the scandal. Two months later, leading Brazilian newspaper *O Globo* broke the story, based on audio of the conversation.⁵

In response, thousands of angry protestors demonstrated in the capital calling for Temer's resignation, and his approval rating cratered to 5 percent.⁶ Temer finished his term in disgrace, and police later arrested him on corruption charges.⁷ He was succeeded by Jair Bolsonaro, a controversial figu e with ties to Brazil's far right.⁸

For Joesley Batista, the decision to cooperate with investigators was a saving grace. Batista, his brother Wesley, and a handful of other family members control not only JBS, the world's largest butchering company, but also a vast holding company called J&F Investimentos. The deal may have preserved the Batistas' empire and kept the brothers out of jail. 10

In addition to providing valuable assistance in ensnaring the president, they agreed to fess up to all their crimes. They admitted to paying over \$150 million in bribes to 1,829 politicians between 2005 and 2017. One bribe included a \$1.5 million Manhattan apartment. The company pleaded guilty to US foreign bribery charges and agreed to pay a \$256.5 million fine The Batistas also promised to do better. A new chief compliance office was named, and a committee was created to ensure adherence to global regulations. But the brothers could not resist their criminal tendencies. Before Brazilian official even had a chance to publicly announce the plea deal, the brothers allegedly engaged in insider trading by dumping shares in the company ahead of the news. 14

The lawlessness that brought Joesley to his meeting with President Temer that night in 2017, and that helped the brothers not only evade responsibility for their actions but also potentially profit from them, was nothing new. In fact, it was part of a pattern of behavior that helped them build their empire in the first place. After all, Joesley and Wesley became barons through a spree of criminality and a callous disregard for

their workers that eerily parallels the slaughtering barons portrayed by Upton Sinclair in *The ungle* more than a century ago.

Baron Status via Bribery

The Batista brothers control the largest slaughtering empire the world has ever seen. According to their own website, Joesley and Wesley are the largest global butchers of beef and chicken and are number two in pork.¹⁵ In addition to their meat monopolies, JBS is the world's largest leather processor.

Bloomberg News estimates the Batistas' personal fortune at \$5.8 billion. They produce almost enough protein daily to give a four-ounce portion to every citizen of Australia, Canada, Poland, Spain, and Italy combined. To keep all these kill lines running, the brothers employ a quarter million people globally. B

But JBS was a small player in the industry until relatively recently. The brothers' father, José Batista Sobrinho (whose initials inspired the name JBS in a branding strategy that mirrors that of the Coffee Barons), started the family's butchering company in 1953. He began modestly by killing fi e cattle per day at a small plant in central Brazil.¹⁹

José sensed an opportunity in the late 1950s when Brazil decided to build a new capital in the center of the country called Brasília, not far from his small plant. He moved quickly to feed the workers building this new city. Business boomed so much that he was able to acquire a larger second location.²⁰ Both brothers skipped college to help their father at his packing plants.²¹

For the next few decades, the company remained successful but nothing like the global behemoth it would eventually become. By the early 1990s, the family still operated only three slaughterhouses, with a total capacity of one thousand animals per day. Although this number was impressive for a four-decade-old family business, JBS was still a regional

enterprise and a fraction of its size today.²² By way of comparison, a single JBS cattle slaughterhouse in Greeley, Colorado, can kill up to 5,600 cattle per day.²³

But this family business went through a sudden transformation at the cusp of the new millennium to become the largest slaughtering company in the world. Its growth was fueled by an aggressive \$20 billion international acquisition spree funded, in part, by low-cost loans from state-owned and state-controlled banks.²⁴

The Batista brothers did not obtain this incredible pool of government funding by chance. Instead, they spent roughly \$148 million to bribe more than 1,800 politicians and Brazilian government officials Their bribery enabled them to obtain cheap financing and make aggressive moves that others could not match.²⁵

Using this illicit money, the brothers rapidly gobbled up rival meat-packing companies. In Brazil alone, they purchased Grupo Bertin, Seara, Independencia, pork assets from Brasil Foods, and the poultry units of Tyson Foods and Céu Azul. Their shopping spree extended abroad as well: Swift Armour in Argentina; Australia Meat Holdings, Rockdale Beef, Tasman Group, Primo, Andrews Meat, and Tatiara Meat in Australia; Rigamonti in Italy; Tyson's poultry unit in Mexico; and Moy Park in Northern Ireland.²⁶

These purchases fueled the Batista brothers' meteoric rise from little-known regional players to global slaughtering barons. In 2005, the company butchered only 5,800 head of cattle per day.²⁷ Less than two decades later, it had the capacity to kill 76,550 cattle, 127,100 hogs, and 13.8 million birds per day.²⁸ To give some context to their sheer size, the brothers sold more food in 2021 than well-known global brands such as Nestlé, PepsiCo, Kraft Heinz, and Unilever.²⁹ JBS became one of the largest companies in the world seemingly overnight.

The brothers would later confess that bribery was critical to their expansion. When investigators with the Brazilian attorney general

asked Joesley Batista whether their US acquisitions would have ever happened without the bribes, he responded, "Oh, no way. It wouldn't have happened. We wouldn't have made the deal."³⁰ According to the *Economist*, "as JBS was buying up rivals, the Batistas were buying politicians."³¹

The US Securities and Exchange Commission later charged them with violations of the Foreign Corrupt Practices Act on the basis of the company's conduct in its acquisition of Pilgrim's Pride Corporation, the second-largest chicken processor in the United States. The brothers' misconduct continued after they took control of the company; the SEC also alleged that it used Pilgrim's Pride's bank accounts to continue to pay bribes. The Batistas and their companies ended up settling the claims by paying just \$28 million in fines ³²

The American Way

The Batistas first entered the American market in 2007 with their purchase of the historic Swift & Company. JBS's purchase of Swift made it the third-largest seller of beef and pork in the United States overnight.³³ Shortly before this acquisition, Wesley Batista moved his wife and three young children to Greeley, Colorado, to be near one of the company's new slaughterhouses.³⁴ JBS also opened a headquarters for its American operations on the western outskirts of town, upwind from the slaughterhouse and massive feedlots.³⁵

The plant had originally opened in 1960 under the ownership of a local family, the Monforts.³⁶ In 1987, the Monfort family sold their company to the food conglomerate ConAgra for stock valued at \$365.5 million. ConAgra later sold its pork and beef business to Swift & Company, which in turn was acquired by JBS.³⁷ The Batista brothers soon followed this purchase by buying Smithfield Foods' beef slaughterhouse business, along with a controlling interest in Pilgrim's Pride.³⁸

JBS faced little government opposition to any of these purchases. It ran into problems only with its proposed acquisition of National Beef Packing Company, which was then the nation's fourth-largest beef packer. The merger would have given the brothers control over nearly one-third of the American beef market in less than a year.³⁹ The George W. Bush administration joined attorneys general from thirteen states in an antitrust lawsuit to oppose the merger, a truly rare and unexpected move by such a pro-consolidation administration.⁴⁰ Likely in response to this lawsuit, the brothers dropped their plans to buy the company.⁴¹

Otherwise, the brothers continued their buying spree unfettered. The Barack Obama administration was as complicit as the Bush administration. In 2013, JBS bought two more beef plants from Canadian company XL Foods. ⁴² Two years later, it bought the pork assets of Cargill, Inc., including the slaughterhouse next to the water park in Ottumwa, Iowa, which I used to go to as a kid. ⁴³ The US Department of Agriculture, then led by Tom Vilsack, did not object to any of these purchases.

It's a pattern that can be seen across the meat industry, which has been consolidating ever since about 1980. In fifteen years, the market share of the four leading firms in the cattle sector rose from 25 percent to 71 percent, blowing well past what academics consider to be a competitive market.⁴⁴ Four beef-slaughtering firms, including JBS, now control 85 percent of the industry.⁴⁵

But even that shocking statistic doesn't capture the full extent of the problem. In most instances, ranchers have only one or two regional buyers to which they can bring their finished cattle. A Wyoming rancher is not going to sell cattle to a Pennsylvania slaughterhouse; it would cost more to truck the animals across the country than the rancher would make in profits. or many ranchers, JBS is the only choice they have.

Because the Batista brothers made it a point to maintain the brands they bought, most Americans do not know that they are actually buying meat from this Brazilian company. In fact, the brothers don't sell any meat under the JBS name in America. This hidden ownership obfuscates their control over the American meat market and mirrors the tactics of the Coffee arons and the Grain Barons.

As of 2023, JBS listed forty-three diffe ent meat brands that it sold in America alone. This list included several high-end brands that give the illusion of sustainable family farms. One such brand is Grass Run Farms, which describes itself as working with a "small network of family farmers in America's Heartland to ensure high quality, grass fed beef through careful production and sustainable management."⁴⁶ The brothers also own Just Bare chicken, whose website proclaims, "We could tell you everything that goes into our products, but truth is there's nothing to see here. No antibiotics. No added hormones or steroids. No added preservatives. Just simple protein."⁴⁷ Both websites feature images of idyllic family farms.

The one that stands out most to me is Cedar River Farms, which I saw highlighted a few years back at a famous restaurant near the White House as one of its "family farm" providers. The name caught my eye because my hometown is named after the Cedar River, which runs through it. At the time, I figu ed that the operation must be based somewhere along the river. I only later discovered that it was actually based hundreds of miles away in Greeley, Colorado, Wesley Batista's adopted hometown and the location of JBS's American headquarters.

This false image comes at the expense of actual beef cattle ranchers, the only sizable group of family farmers who still play a substantial role in the American food system. Since 1982, America has lost 80 percent of its dairies and 90 percent of its hog farms, mostly small, independent family operations.⁴⁸ The e are dairy and hog family farms selling into organic and fine dining markets, but they are the outliers, not the norm.

Beef cattle ranches were able to survive this wave of consolidation, albeit deeply wounded. During this same period, America lost 50 percent of its beef cattle operations, a substantial number but not quite as

bad as their counterparts in dairy and hogs.⁴⁹ Their continued existence remains under threat.

Taking a cue from the Hog Barons, the Batistas are trying to eliminate the open market, in which ranchers sell their own cattle, and instead move to a contracting model that stacks the deck in favor of big meatpackers. It used to be the norm in the meat industry to bid on animals destined for the kill line, sort of like how one might try to buy an item on eBay. These markets were capitalism at its finest, and they often empowered farmers to secure the highest possible price for their cattle.

But meatpackers like the Batista brothers hate transparency. The prefer to negotiate behind closed doors with more opaque terms.⁵⁰ With their newfound market power, JBS and their peers have increasingly pushed to have prices for feedlot cattle set ahead of time via purchase contracts.⁵¹

In 2009, half of all cattle destined for slaughter were still bought on the open market.⁵² A decade later, only 21 percent were purchased that way.⁵³ Members of Congress have introduced numerous bills over the years to preserve this collapsing open market, but none can muster enough support to overcome JBS and the other meat giants.⁵⁴ Unless Congress acts soon, one can assume that the open market for buying cattle will be effecti ely dead, just as it is for hogs.

Ranchers are not the only ones being exploited by these Slaughter Barons. You are too if you buy meat. As Bill Bullard, chief executive office of an organization representing cattle ranchers, told the *New York Times*, "You're having consumers exploited on one end of the supply chain, cattle producers exploited on the other." 55

In 2021, Pilgrim's Pride, the chicken company largely owned by JBS, pleaded guilty to price-fixing. Prosecutors accused it of coordinating with other chicken giants between 2012 and 2017 to suppress competition and raise prices for products typically found in grocery stores and fast-food outlets. ⁵⁶ As a punishment, President Donald Trump's

Department of Justice fined the company \$107.9 million.⁵⁷ Although that number might seem high, this division of JBS earned \$456 million in profit in 2019 alone.⁵⁸ Yet again, JBS received a slap on the wrist and then continued happily on its way. Nothing was done about the underlying dynamics that created the conditions for price-fixing

Unsurprisingly, the brothers kept doing what was working for them. In 2021 and 2022, they settled three pork price-fixing cases for more than \$57 million over accusations that they were overcharging wholesalers, restaurants, and grocery store customers. Then, in 2022, JBS agreed to pay another \$52.5 million for accusations of overcharging in beef markets. Sadly, as in the chicken case, no structural fix was implemented. The Batista brothers simply absorb these fines as another cost of doing business. They commit the crime, pay up, and seem to know that they can do it again.

But as Louis Brandeis and other reformers have warned, underpaying suppliers and overcharging buyers isn't the only way that monopolies cause harm. Their newfound power can have disastrous consequences far beyond the predictions of economists tinkering with computer models. In the case of JBS, no one bears the brunt of concentrated power more than slaughterhouse workers.

Slaughterhouse Rules

My first experience of researching the American food system led me to slaughterhouses. At an internship in college, my boss tasked me with verifying numbers for a report on school districts across America. Naturally, I spent a lot of time playing with the Iowa figu es.

Out of curiosity, I decided to sort the data on the percentage of students in the district receiving free or reduced-price lunch, a signifier for the proportion of low-income students. I noticed that many of the districts with the highest percentage of low-income students happened to

be the most ethnically diverse, as well as the ones with the highest percentage of non-native English speakers. The only geographic pattern to their distribution was that they were all located in rural areas. I looked up the communities on Wikipedia and quickly noticed what they had in common: each was home to a slaughterhouse.⁶⁰

At first, I couldn't understand the connection. Working the kill lines has always been a tough job, often performed by immigrants. It consistently ranks as one of the most physically demanding jobs with some of the highest injury rates. But during a large part of the twentieth century, it was a path to the middle class for families like mine. People on both sides of my family, including my grandfather, worked at the old slaughterhouse in Cedar Rapids, a plant that closed the year I was born. Why were these jobs now located in some of the poorest parts of the state?

With that question in mind, I decided to dig deeper and write my college thesis on what this phenomenon meant for rural communities. I spent the following summer crisscrossing Iowa and speaking with workers, teachers, mayors, and clergy members. I ultimately wrote two theses because I enjoyed the experience so much. What I found stunned me: these Iowa towns resembled company towns from the turn of the twentieth century.⁶²

More than a century ago, Upton Sinclair published *The Jungle*, a novel about an immigrant slaughterhouse worker in the Chicago stockyards. ⁶³ While writing the novel, Sinclair interviewed slaughterhouse workers and observed the horrific conditions of meat production. He saw how the most ruthless and corrupt companies—including ones like Swift & Company—succeeded at the expense of folks just trying to get by.

Despite fie ce opposition from the meatpackers, who tried to bribe the publisher not to release the book and planted negative stories about Sinclair in newspapers, *The Jungle* was an instant success, selling millions of copies.⁶⁴ President Theodo e Roosevelt even invited Sinclair to the White House to discuss the novel.⁶⁵

Readers, however, reacted more strongly to the unsanitary conditions described in the book than to its depiction of worker abuses. Oddly enough, the book became more closely associated with food safety and meat quality than with the plight of slaughterhouse workers. But Sinclair wanted to capture the raw abuse of corporate power and leave the reader demanding change.⁶⁶

The sort of structural change that Sinclair advocated for eventually did come. Swift & Company was an original member of the Beef Trust of the early twentieth century. In fact, Swift's participation in the sort of price-fixing schemes that are JBS's specialty gave rise to an infamous US Supreme Court case—Swift & Co. v. United States—that confirmed the federal government's power to regulate monopolies.⁶⁷ Antitrust action against Swift and its associates in the Beef Trust sharply curtailed the power of monopolies in the industry.

Moreover, New Deal pro-labor policies meant that most of the industry was unionized by the end of the 1930s.⁶⁸ At the peak, 90 percent of slaughterhouse workers were employed under union contracts.⁶⁹ They used this bargaining power to improve their pay and working conditions. By the 1950s, slaughterhouse work was one of the highest-paid manufacturing jobs in the country, according to journalist Eric Schlosser.⁷⁰ Standard benefits included vacation, holidays, sick leave, and a company-provided meal during shifts.⁷¹

But the tide started to turn as the industry reconsolidated beginning in the 1980s. As large monopolies such as JBS started to regain control of the industry, they pushed a new model that allowed them to leverage their power over workers.

Rural slaughterhouses are a recent phenomenon. The plants described in *The Jungle* and the ones where my family members worked were located in urban centers like Chicago and Cedar Rapids. As historian Wilson Warren documented in his book *Tied to the Great Packing Machine*, the move from city to country happened in recent decades.⁷²

The shift began when Iowa Beef Processors (later known as IBP) built its first plant just outside Denison, a rural Iowa town, in 1961. Originally financed with a federal small business loan, IBP grew to become one of the biggest meat-processing corporations by rewriting the playbook for the industry.⁷³

The company diffe ed from its competitors in several key ways. Its model brought slaughterhouses closer to where animals were raised, which reduced transportation costs. It reconfigu ed the physical layout of the factory to combine several floors into one. It also eliminated the need for butchers in grocery stores by producing vacuum-sealed cuts of meat (a very wasteful practice, given the space and plastic involved).

But above all, IBP made its money by slashing labor at any cost. By moving slaughterhouses from urban to rural areas, IBP ensured that its slaughterhouses held a monopsony in the labor market.⁷⁴ Less well known than a monopoly but equally dangerous, a monopsony occurs when one party has near-total control of a market for an item or service. Just as monopolies take advantage of the limited choice available to their customers, monopsony employers exploit their employees' lack of options in order to drive down wages.⁷⁵

Company towns are one of the clearest examples of monopsony. They emerged in the United States during the industrial revolution of the late 1800s and early 1900s, often involving extractive industries or manufacturing. At their peak, more than 2,500 company towns existed. Most infamously, communities sprang up in West Virginia where coal companies offe ed the only source of employment. Because of their monopsony power, these companies came to dominate nearly every aspect of their employees' lives, from food to housing. They

To create a company town, IBP first had to destroy the unions that protected worker safety and fair pay. IBP and the other growing giants gobbled up unionized plants and reopened them without a union—and with considerably lower wages. In 1989, it bought an old Oscar Mayer

plant in a small Iowa town and used this tactic to cut wages nearly in half overnight.⁷⁸

A diffe ent company violated a variety of labor laws to the point of making a mockery of them. As journalist Eric Schlosser documented, this company

threatened to close the plant if workers voted to join the [union]. It harassed workers who supported the union and paid other workers to spy on them. It forced union supporters to distribute anti-union literature. It fi ed workers for backing the union. It asked workers to lie during their testimony to the [National Labor Relations Board] and refused to hand over company videotapes that the government had subpoenaed. During a union election . . . two [United Food and Commercial Workers] supporters were beaten and arrested by security officers and deputy sheriffs.⁷⁹

The advantage gained from these tactics, coupled with policymaking that favored consolidation, meant that meat companies could revert to the practices that made them infamous at the turn of the century. Although corporations were fined for overt violations, absorbing these light penalties was seemingly part and parcel of the new model.

As the packers expanded through unchecked acquisitions, their power over workers grew in tandem. When companies get bigger and more powerful, they tend do so at the expense of workers and the communities they operate in. Because they face less competition for labor, the bargaining power of their workers is undercut. Tha 's why studies have shown that advertised wages decline by up to 25 percent as an industry consolidates. ⁸⁰ You don't need to live in a company town to feel the impacts of corporate power.

By the late 1980s, the meat giants had "virtually broken the back of organized labor," and other protections that made meatpacking a solid

middle-class occupation were "unraveling at breakneck speed," according to journalist Lynn Waltz in her book *Hog Wild: The Battle for Workers' Rights at the World's Largest Slaughterhouse.*⁸¹

As a result, what were once solid middle-class jobs became some of the lowest paying in the country. 82 Workers at a slaughterhouse in Austin, Minnesota, for example, made \$10.69 per hour in 1985, equal to about \$30.00 in 2023 when adjusted for inflation 83 Since then, wages for slaughterhouse workers have barely budged. 84

Meanwhile, as lower pay and deteriorating working conditions made slaughterhouse work less desirable to some native-born Americans, companies increasingly looked to immigrants to pick up the slack. ⁸⁵ The racial composition of the slaughterhouses began to change in the 1980s, reflecting an intentional strategy by some in the industry. ⁸⁶ Researchers Lourdes Gouveia and Donald Stull characterized this workforce strategy as "a *Field of Dreams* approach to labor recruitment—'build it and they will come.'"⁸⁷

Although Hispanic workers have been the most frequently recruited group of laborers for these plants, slaughterhouses have also brought in other racial and ethnic groups, including workers from Somalia and Myanmar. 88 The "Field of Dreams approach" to staffin means that each packing community has more nuances than even the US Census can capture. These jobs are often a point-of-entry position for new immigrants to the United States, whether legal or illegal. Although rural America is often viewed in the popular imagination as lily-white, these company towns show that the reality is a lot more complicated.

The immigrant labor model means even more power in the hands of the Slaughter Barons. As the late sociologist Lionel Cantú pointed out, "many immigrants are willing to work for lower wages; they provide a flexible labor supply (e.g., willing to work overtime or at night, easy to hire/fi e); and they have higher organizational flexibitity (e.g., willingness to work in substandard environments)." The

monopsony of slaughterhouses combined with their workers' tenuous social position guarantees employers almost unlimited power to exploit their employees.

At the same time the industry was reversing gains made by unions in the years after the New Deal, it was working to unwind the safety protections put in place after Upton Sinclair wrote *The Jungle*. In particular, the industry has focused on removing restrictions on the speed of the kill lines. ⁹⁰ A faster line means higher profits for companies such as JBS.

Unsurprisingly, the prioritization of billionaire greed over worker safety can have very dark consequences, as journalist Ted Genoways detailed in his book *The Chain: Farm, Factory, and the Fate of Our Food.* In the mid-2000s, researchers at the Mayo Clinic noticed a highly unusual set of symptoms in workers at a nearby slaughterhouse.⁹¹ They were experiencing weakness, pain, and numbness in their legs and feet.⁹²

The researchers found that all of the sick workers were stationed in or near the part of the plant where meat was cut from severed heads. They had been inhaling aerosolized pig brains, which caused their immune systems to produce antibodies that attacked their own nerve cells. The push to increase line speeds meant that pig brain mist was diffusing at higher quantities and causing the workers' symptoms.⁹³

This effo t has only intensified in recent years. The Trump administration attempted to turn pork kill lines into the slaughterhouse version of the autobahn by eliminating speed caps entirely. Pat Basu, chief public health veterinarian for the Food Safety and Inspection Service from 2016 to 2018, told the *New York Times* that this proposal reminded him of the decision by the Federal Aviation Administration to shift some of its airplane certification duties to manufacturers like Boeing, a move that came under scrutiny after two crashes of Boeing's 737 Max aircraft resulted in 346 deaths.⁹⁴

A court later ruled that this speed increase was unlawful because the Trump administration did not consider worker safety.⁹⁵ Even so, Tom Vilsack, President Joe Biden's secretary of agriculture, later revived the policy to allow six pork plants to increase their speed as part of a trial program.⁹⁶

The treatment of meatpacking workers during the early months of the COVID-19 pandemic also illustrates how powerless they are in the face of companies such as JBS. When the virus began spreading like wildfi e in the United States in 2020, nearly two dozen plants temporarily closed to reduce its spread. The closures resulted in a 25 percent decline in the nation's pork-slaughtering capacity. Tyson even published a full-page ad in the *New York Times* and the *Washington Post* declaring that "the food supply chain is breaking."

Perhaps in response to this pressure, President Trump declared that slaughterhouses were "critical infrastructure," which required the plants to stay open. ProPublica later reported that the North American Meat Institute—a lobbying organization controlled by the meatpackers—had drafted a similarly worded executive order and delivered it to the US Department of Agriculture only a week earlier.¹⁰⁰

In the following weeks, workers spoke to the press and even staged a wildcat strike protesting the disregard for their safety. ¹⁰¹ But those pleas fell on deaf ears. Between March 2020 and January 2021, 269 meatpacking workers died from COVID-19. ¹⁰² One can safely assume that some of these lives could have been saved had better safety measures been put in place. A congressional report later concluded that the companies could have taken more precautions to reduce infections and deaths in their plants, noting the following:

Instead of addressing the clear indications that workers were contracting the coronavirus at alarming rates due to conditions in meatpacking facilities, meatpacking companies prioritized profits and production over worker safety, continuing to employ practices that led to crowded facilities in which the virus spread easily.¹⁰³

Reporters also discovered that the slaughterhouses kept exporting record amounts of meat even as the food supply chain was supposedly "breaking." For example, JBS's American operation exported nearly 770,000 tons of meat, an increase of 19 percent from before the outbreak of the pandemic. ¹⁰⁴ The big four meatpackers—including JBS—collectively paid out more than \$3 billion in dividends to shareholders during this time. ¹⁰⁵

Even when laws aren't rolled back, corporations make a mockery of the ones still on the books and face few repercussions for doing so. "The consequences for a company that crosses the line are not that severe," said Wilma Liebman, chairman of the National Labor Relations Board from 2009 to 2011. "Fines and paying back pay is just the cost of doing business." ¹⁰⁶

Often, these companies have the sympathetic ear of politicians. President Ronald Reagan's administration, for example, began reducing safety inspections shortly after he took offic ¹⁰⁷ The person Reagan appointed to oversee worker safety was a construction executive whose firm had been cited 138 times for violations. ¹⁰⁸ The situation has only gotten worse; there are now about 240 fewer inspectors than there were in 1980. ¹⁰⁹

The consequences for workers can be horrific. On September 3, 1991, twenty-fi e workers died in a fi e in a chicken slaughterhouse in the small town of Hamlet, North Carolina. It was an industrial tragedy with eerie parallels to the infamous Triangle Shirtwaist Factory Fire of 1911. Half of the victims were Black women.

Although politicians dismissed the Hamlet incident as a freak accident, historian Bryant Simon documented the extent to which the company that owned the slaughterhouse disregarded the well-being of its employees in his book *The Hamlet Fire: A Tragic Story of Cheap Food, Cheap Government, and Cheap Lives*. ¹¹⁰ The company had never applied for a building permit, never received approval for the water wells it dug,

and never filed the necessary labor forms with the state's safety agency. The saddest part is that many of the workers died only because the doors to the plant were locked from the outside, preventing them from escaping once the fi e broke out.¹¹¹

Meatpacking is once again one of the most dangerous manufacturing jobs in the country, with wages generally regarded as no longer reflecting a middle-class standard of living. ¹¹² IBP no longer exists; it was acquired by Tyson Foods. ¹¹³ But even though IBP might have started this race to the bottom, the Batistas aggressively copied it and perhaps benefited the most from it. As one rancher said to me, "JBS makes IBP look like an altar boy."

In August 2022, American investigators discovered that a contractor hired by JBS to clean slaughterhouses employed over a hundred children in "hazardous occupations." These children cleaned kill floors, bone-cutting saws, grinding machines, and electric knives. The facts seem as if they came straight out of *The Jungle*. One child was only thirteen years old. A fourteen-year-old, who worked from 11:00 p.m. to 5:00 a.m., fi e to six days per week, cleaned machines used to cut meat and suffe ed from chemical burns. School records showed that the student missed class or fell asleep in class because of the job at the plant. 116

The tendency of concentrated industries is to squeeze workers. Without real structural limits on their power or actual enforcement paired with meaningful penalties, their outsize profits come at the workers' expense. In JBS's case, that sometimes means children. After all, few companies are as committed to pushing the limits of the law—and merely absorbing any fines as a cost of doing business—as JBS

A Criminal Enterprise

JBS's sheer disregard for the law sets it apart from the other barons in this book. The Batistas' criminal tendencies are now seemingly infused into the DNA of their monopoly. It's no surprise, then, that the family continues to engage in the same sort of behavior that helped them build their empire in the first place

In 2017, Brazil accused employees of several companies, including JBS, of bribing dozens of meat inspectors with cash and expensive cuts of meat. They did so to export salmonella-contaminated meat and allow rotten meat to be served in public schools. The inspectors also falsified sanitary permits. One federal investigator referred to this plot as a "powerful criminal organization" in his description of the case, according to the *New York Times*.¹¹⁷

This sort of conduct is so flagrant, and so recurrent, that Congresswoman Rosa DeLauro asked the USDA to ban the company from doing business with the US government.¹¹⁸ "They entered illegally into our markets," DeLauro told *Four Corners*, the Australian equivalent of *60 Minutes*. "It is all through bribery and illegal activity that they have managed to put themselves in the place of being one of the largest meatpacking corporations in the country and in the world."¹¹⁹

That position means that the company has a tremendous environmental footprint. Beef production is the single largest contributor to climate change among agricultural products. ¹²⁰ In fact, JBS's annual climate footprint is higher than Italy's and almost the size of France's. ¹²¹ The e are several reasons for these stratospheric emission levels. Much of the grain fed to cattle, especially during the feedlot stage, when the animals cannot forage, is grown using an immense amount of chemicals that were created as by-products of fossil fuels. ¹²² Cattle also produce methane gas when they digest food. ¹²³

Most relevant to JBS, ranchers are clearing a vast amount of land in the Amazon rainforest to create more farmland. Studies suggest that up to 80 percent of land clearance in the Amazon is driven by the cattle industry. ¹²⁴ JBS does not itself chop down the trees, but it does incentivize the cutting through its demand for more Brazilian cattle to feed its empire.

The Batistas know that climate change presents a major public image issue. Tha 's probably why they signed an agreement with Greenpeace in 2009 pledging not to buy cattle from ranchers in newly deforested areas. Moreover, in a sponsored content article published in *Politico* in 2022, Tim Schellpeper, chief executive office of JBS USA, bragged that the company was "first in the agriculture industry to commit to achieving net-zero greenhouse gas emissions by 2040." ¹²⁵

Yet it quickly became clear that none of these promises meant any real commitment on JBS's part. Not long after JBS pledged that it would reduce emissions to net zero by 2040, a study by several environmental groups revealed that the company's emissions had actually increased by over 50 percent in the fi e preceding years. 126

Similarly, just like money, cattle can be laundered. For example, several *New York Times* reporters recently profiled a small rancher who laundered illegally ranched cattle by selling them to an intermediary, who then sold the same cattle to a packer with a clean record.¹²⁷ JBS claims that it has a system in place to prevent it from buying cattle produced on illegally deforested land, but it's clear that is only a fig leaf. In 2017, the US government fined the company for buying forty-nine thousand cattle from illegally deforested areas.¹²⁸ Researchers found that a landmass the size of Vermont and New Hampshire combined was deforested during the ten years after the Greenpeace agreement was signed. JBS's failure forced Greenpeace to pull out of the agreement.¹²⁹ In 2021, the *Guardian* published an investigation that found that big American grocery stores like Walmart, Costco, and Kroger have sold beef imported by JBS that was linked to deforestation.¹³⁰

But despite JBS's repeated misconduct, the federal government has declined to pursue structural remedies that would dilute the company's power or impose real consequences for its illicit actions. In fact, the US government has actively rewarded the company. Since entering American markets, JBS has received more than \$900 million from federal

contracts, according to the *Washington Post*.¹³¹ The USDA also gave the company an additional \$67 million in bailout funds meant for struggling farmers.¹³²

These payments are so excessive that Congresswoman Carolyn Maloney of New York sent a formal request demanding that Secretary Vilsack review the department's contracts with JBS, noting that "it is troubling to see taxpayer dollars going to a major agribusiness that has such an egregious record of legal violations." But Secretary Vilsack dismissed these concerns, arguing that removing JBS from its list of procurement partners would "potentially impair competitive choice for the taxpayer." 133

The administration's stance on JBS runs counter to President Biden's promises on the 2020 campaign trail to strengthen antitrust enforcement and to his priorities once elected. Brian Deese, at the time Biden's director of the National Economic Council, co-wrote a blog post on the White House website in September 2021 blaming the meat giants for price increases and noting that they have the "power to squeeze both consumers and farmers and ranchers." Biden himself even jumped into the fray, arguing that "capitalism without competition" is "exploitation."

But under the direction of Tom Vilsack, the USDA has failed to take any action that would even remotely improve the situation. Vilsack's signature initiative was to give out a billion dollars of taxpayer money to new or expanding slaughterhouses as a roundabout way of deconcentrating these markets. ¹³⁷

This plan is like dumping a billion dollars on Ask Jeeves and wishing the company good luck against Google. Even in the best-case scenario, this initiative doesn't meaningfully change the structure of the industry. ¹³⁸ It does virtually nothing for the millions of Americans who are being overcharged by JBS and their ilk, or the ranchers who are forced to depend on a handful of companies to buy their cattle, or the workers on the kill line.

As I chatted with friends in the cattle industry, it became clear that this money is mostly being wasted on entities that have no hope of being financially viable. If that comes to pass, and these operations go broke in a few years, big companies such as JBS will be able to come in and buy their assets for pennies on the dollar. Time will tell whether some of these plants will become the newest tentacles of the Batistas' empire.

The sad thing is that there is a template for making real structural changes to meat markets that disperse power in the industry. The actions that worked so well more than a century ago—antitrust enforcement, building of union and worker power, and clear bright-line rules that protect market participants—cost American taxpayers nothing in direct investments or subsidies.

But instead of following this proven approach, Vilsack squandered taxpayer money and missed a rare bipartisan moment to do something meaningful. He refused to grapple with corporate power in an industry that's run amok. For JBS and the Batista brothers, it might as well be yet another slap on the wrist.

The Grocery Barons

In earl y 2014, Doug McMill on, chief executive office of Walmart Stores, Inc., gave his top executives a homework assignment. At the time, Walmart was in a rut. Sales were sluggish, and the company would soon report its first annual sales decline since 1980 ¹

McMillon's predecessor had left after only a short tenure, seemingly pushed out by the Walton family, who then handpicked McMillon to revive growth and chart a new course for Walmart.² The descendants of Sam Walton, the company's founder, still collectively own over 50 percent of the company and hold several seats on the board. For context, Jeff Bezos owns only 12 percent of Amazon.³ Given this control, Walmart is still essentially a family operation, so what the Walton clan wants, they get, including their choice of the company's CEO.

McMillon directed his lieutenants to read *The Everything Store* by Brad Stone, a tell-all book about Amazon and its founder, Jeff Bezos. As detailed in *The Everything Store*, Bezos meticulously studied Walmart as he built Amazon. Now McMillon wanted his team to do the reverse: study the rise of Amazon.⁴

Although Walmart was still the world's biggest retailer, Amazon was

gaining ground based on its dominance in online shopping, a terrain Walmart had previously neglected. At the time, only 2.5 percent of the company's sales came from Walmart.com, and for the first time ever, Amazon's stock market value surpassed Walmart's. The *Financial Times* quipped that "Walmart is committed to the past, and is heading there fast." In response, some analysts called on Walmart to sell some of its overseas locations or parts of its American business. Warren Buffett even sold 90 percent of his Walmart stock because he thought Amazon was about to eat the company's lunch.

But McMillon had a battle plan for fending off this new rival. At the company's annual meeting of shareholders in the summer of 2015, Doug delivered a message that boiled down to one word: "omnichannel." McMillon argued that Walmart needed "to stop talking about digital and physical retail as if they're two separate things. The customer doesn't think of it that way, and we can't either."

With this announcement, McMillon signaled that Walmart would no longer be content to dominate physical store sales; instead, it would aggressively invest billions to increase its digital presence and capture sales wherever they occur. As McMillon put it, "one customer can shop with us in so many diffe ent ways—in stores, on their phones, at homes, a pick-up point. But they just think they're shopping at Walmart." McMillon hoped that growing the company's online business would in turn grow its in-store sales because customers who come to pick up their orders would likely stay to buy something else. ¹⁰ To show its seriousness, the company even dropped the word "stores" from its name, becoming, effecti e February 2018, "Walmart Inc." ¹¹

McMillon's plan for growing Walmart's omnichannel business centered on one product category: food. Although Walmart Supercenters sell everything from clothes to tires, they are, at their core, food retailers, with nearly 60 percent of Walmart's sales now coming from groceries. ¹² Walmart dominates the American grocery market so thoroughly that it

has about the same market share as the number two, three, four, fi e, six, seven, and eight grocery store companies *combined*.¹³

Maintaining the company's grip on grocery was key because Walmart already had a head start on Amazon in this area. ¹⁴ McMillon wanted the company's physical stores to be the heart of a flywheel in which sales from one part of the business drive the growth of another part, which in turn spurs an increase in sales in the original part of the business. ¹⁵ This flywheel logic may have also spurred Walmart's entry into other new sectors, from health care to banking. "When we get better in food, the whole box grows," said Charles Redfield, who oversaw food retail at Walmart US. ¹⁶ Walmart's strength in grocery would be crucial in its battle with Amazon.

At the same time, Amazon was moving in the opposite direction. The company knew that it was at a disadvantage because of the massive physical presence of its competitor, with a Walmart store located within ten minutes of 90 percent of Americans.¹⁷ Amazon realized that it needed to expand its physical store presence to maintain its online advantage.

In a memo circulated within the company, Amazon sketched out an ambitious new physical grocery store chain with more than two thousand locations. Only a few months later, it burst into the grocery business by buying food retailer Whole Foods, a purchase that catapulted it into the top ten players in the industry. As reporters for the *New York Times* noted, "Amazon has effecti ely started a supermarket war" with its purchase of Whole Foods. Walmart's market capitalization declined by \$11 billion on the news. On the news.

For two decades prior to this moment, the two retailers had stuck to their lanes, one physical and one online. But now, each company was trying to move onto the other's home turf. Like Godzilla and Mothra, these two giants were ready to fight for control of the American retail market. And the battlefield would be cente ed on the grocery aisle.

From Five-and-Dimes to Supercenters

Walmart was founded in 1962 in Rogers, Arkansas, by a businessman named Sam Walton. Walton had entered retail years earlier, in 1945, when he bought a franchise of a chain called Ben Franklin and then gradually opened more locations across Arkansas.²¹ Ben Franklin stores, like other fi e-and-dime stores, tended to be located downtown. But after visiting a competitor, Walton realized that the future of retail lay in one-stop shopping. Walton understood that instead of buying goods from a variety of downtown retailers, shoppers would increasingly prefer the convenience of finding e erything they need in a single store.²²

Sensing an opportunity, in 1962 Walton opened his own store: Wal-Mart Discount City. It sold a similar mix of merchandise as Ben Franklin but in a much larger building and with a broader selection. Instead of renting space downtown, Walton built his new store on the outskirts, where there was ample parking.

Walton challenged an orthodoxy of the era: that shoppers wanted a balance between low prices and an enjoyable shopping environment. Instead, Walton sought to charge the lowest possible price no matter what. This philosophy became the cornerstone of his new store, best captured in its tagline: "Every Day Low Prices." In his memoir, Walton wrote about learning this valuable lesson with his first store. He had, in his own words, a "truly ugly" sales area. But that meant that he could sell goods for 20 percent less than his competitors. Walton wanted to "find out if customers in a town of 6,000 people would come to our kind of a barn and buy the same merchandise strictly because of price. The ans er was yes." 23

Driven by these principles, Walton opened locations first across Arkansas and then slowly across the South. He expanded both through acquisitions of competing retailers and through organic growth. He initially opened stores in rural areas before slowly moving into the suburbs.

Walton also developed another innovation. From its founding, Walton wanted his company to have the most efficien distribution system possible, which he viewed as a key competitive advantage. His model followed a hub-and-spoke pattern of expansion, in which Walton would first establish a distribution center and then open stores around it. The goal was to keep everything close by so that transportation costs and restocking time remained low.²⁴ As one Walmart executive said at a Wall Street–oriented conference, "The misconception is that we're in the retail business. We're in the distribution business."²⁵

This focus on the distribution system meant that Walton cared deeply about technology. Before most of his competitors in the retail industry, he invested in a digital database with a store-level point-of-sale system and a satellite network. He also discovered before others that using barcodes increased checkout productivity by more than 50 percent. He then combined these two ideas to instantaneously collect and analyze sales data, which enabled the company to give its buyers access to real-time sales data on their products down to the store level, eliminating the guesswork that had previously characterized the industry.²⁶

Although Walton was often ahead of the curve, he also understood the importance of copying a good idea when he saw it. For example, after seeing the success of a precursor to Costco, he created his version of the model in 1983 by opening Sam's Club as a membership-only retail warehouse.²⁷ These stores sold a limited selection of groceries but in vast quantities.

His game-changing idea, expanding into the grocery business, came in part from the French.²⁸ On one trip, he stumbled upon the French retailer Carrefour and its pioneering European "hypermarket": a combination of a department store and a grocery store that created a truly massive one-stop retail experience. Sam Walton created his own version of the hypermarket, "malls without walls," by adding a grocery store onto a traditional Walmart store.²⁹

In December 1987, he formally entered the grocery business with the aptly named Hypermart USA. The first store, near Dallas, was so big that one reporter pointed out that it could house a basketball court, a baseball field, a football field, three tennis courts, and a swimming pool.³⁰ The store was so enormous that employees used to roller-skate around to answer customers' questions.³¹ Although these stores were profitable, they did not meet expectations; ultimately, Walton opened only a few and eventually pulled the plug on the idea.³²

But the company did learn some valuable lessons from this experiment. Soon after opening the first Hypermart USA, Walton opened the first Walmart Supercenter near Washington, Missouri, an exurb of St. Louis. This store was like the Hypermart but pared down to a more manageable size. An executive at the time described it as "a small-town version of a Hypermart," and it proved to be the perfect scale.³³

The shift into upercenters and the entry into grocery marked a new era for Walmart. The grocery business is notoriously tough, with exceedingly thin profit margins. According to a Columbia Business School study, 3 percent to 4 percent margins are considered typical for grocery stores, compared with 20 percent for other types of retailers.³⁴

But though margins are tight, people shop for food much more often than they shop for other goods, and grocery is a steady business. For Walmart, the addition of groceries proved to be a powerful traffi draw because by adding groceries, stores boosted non-food sales by 30 percent. And even with its "Every Day Low Prices" mantra, profits generally still came from higher-margin non-food merchandise.

As a result, the company began replacing most of its traditional stores with Walmart Supercenters at a blistering pace. By 1999, it had opened 683 Supercenters, and by the mid-2000s, this figu e had ballooned to 1,980. In 2002, Wal-Mart became the largest grocery chain in the United States.³⁶ The e is now a Supercenter in every US state except Hawaii: 3,572 in total, with only 364 traditional stores remaining.³⁷

The company has since introduced another grocery concept called Walmart Neighborhood Markets, which are about one-fourth the size of a typical Supercenter and are essentially just grocery stores.³⁸ The company found that they offer convenience to shoppers who want to avoid the sprawling Supercenters and that they are easier to build in congested urban areas. As one industry consultant put it, "the Neighborhood Markets are the traditional food retailer's worst nightmare."³⁹ The company now operates 781 Neighborhood Markets, compared with 600 Sam's Club stores.⁴⁰

In less than a few decades, Walmart went from selling no groceries to becoming the largest grocery retailer the United States has ever seen. The company gained this dominance incredibly fast. As recently as 1997, American consumers bought only 21 percent of their food from the four largest grocers at that time. Walmart alone now sells 30 percent of American groceries. 42

And like a Great Plains tornado, Walmart's sudden dominance of the grocery industry left a path of destruction in its wake.

Path of Destruction

"Wal-Mart is responsible for changing downtown America more than any business in the 20th century," one small-town Texas chamber of commerce president told *USA Today* in 1990. "Sam Walton built his empire on going into small communities. As he went into a small community, overnight, buying patterns went from downtown to . . . Wal-Mart."

The rise of Sam Walton's empire unleashed two waves of destruction. The first wave, long documented and well publicized, was the collapse of local retailers and small-town main streets as the company's empire of traditional discount stores expanded across the country. The company has a long history of using the classic monopoly trick of selling goods at a loss when it opens a new store or moves into a new product category

in order to undercut existing (typically smaller, local) businesses.⁴⁴ With its massive balance sheet, Walmart can sustain a period of losses in way that its smaller competitors simply cannot.

In his memoir, Sam Walton brushed aside the backlash against his company, remarking that "of all the notions I've heard about Wal-Mart, none has ever baffle me more than this idea that we are somehow the enemy of small-town America."

But reality tells a diffe ent story. Kenneth Stone, a professor at Iowa State University, drew national attention when he found that in the first ten years after Wal-Mart opened almost a hundred stores in Iowa, the state lost 298 hardware stores, 293 building supply stores, 161 variety stores, 158 women's apparel stores, 153 shoe stores, 116 drugstores, and 111 men's and boy's apparel stores. He noted that smaller towns bore the biggest losses. ⁴⁶ One can reasonably assume that this pattern of destruction repeated itself across small-town America as Walmart blitzed the country.

I actually remember when the first Supercenter opened by the mall near my family's home.⁴⁷ My mom took me and my brother there on opening day because it was such a big local event. Today, more than two decades later, the location seems just as busy as when we first entered its doors. Meanwhile, the mall across the street, where my mom's bakery was located, died and closed.

Although the story of Walmart's march across America's retail land-scape is well known, the second wave of destruction—the impact on grocery stores—is less familiar to most people. Stone and his colleagues found that new Superstores weren't causing people to buy more groceries. It wasn't as if people suddenly bought more milk or bread when Walmart came to town. They just stopped going to their old stores. "I see it pretty much as a zero-sum game," Stone told Bloomberg at the time. 48 Other scholars have found similar results. 49

If the grocery business is a zero-sum game, the Walton family was capturing more and more of the pie. One writer noted that "in the 1980s, you could still visit almost any community in the U.S. and find a thriving supermarket. Typically, it would be a dynasty family grocery store, one that had been in business for a few generations. Larger markets usually had two or three players, small chains that sorted themselves out along socioeconomic lines: fancy, middlebrow, thrifty." ⁵⁰

But alas, Walmart's blitz into grocery destroyed many of these local pillars. The company was a catalyst for the bankruptcy of at least twenty-fi e grocery chains and the closure of thirteen thousand grocery stores in just a decade. Walmart has captured 50 percent or more of all grocery sales in forty-three metropolitan areas and in 160 smaller markets. In thirty-eight of these regions, its share of the grocery market is 70 percent or more. A recent US Department of Agriculture study echoed these findings, emphasizing that rural areas tend to be the most concentrated grocery markets in the nation. In some communities, especially in rural areas, Walmart is the only grocery store left. For shoppers, this consolidation often resulted in higher food prices, according to studies by academics and the Federal Trade Commission.

For the stores that survived, Walmart's entry triggered a consolidation spree as competitors strove to keep up. 55 Kroger, the third-largest American grocery seller, with a nearly 6 percent share of the market, was the most aggressive. 56 After several high-profile acquisitions, it now operates 2,720 grocery stores under its own name and under other brands that it has acquired, including Ralphs, Dillons, Smith's, King Soopers, Fry's, QFC, City Market, Owen's, Jay C, Pay Less, Baker's, Gerbes, Harris Teeter, Pick 'n Save, Metro Market, Mariano's, Fred Meyer, Food 4 Less, and Foods Co. 57

But all these brands and stores were apparently not enough for Kroger to compete with Walmart. In 2022, Kroger announced its intention

to buy Albertsons, which, like Kroger, operates under its own name and a number of other brands, including Safeway, Vons, Jewel-Osco, Shaw's, ACME Markets, Tom Thum , Randalls, United Supermarkets, Pavilions, Star Market, Haggen, Carrs, Kings Food Markets, and Balducci's Food Lovers Market.⁵⁸

Albertson's had aggressively tried to roll up the industry. Its purchase of Safeway is particularly infamous. According to journalist David Dayen, President Barack Obama's Federal Trade Commission approved the purchase only after the companies agreed in part to sell 146 stores to a small grocery store chain with only 18 stores to prevent concentration in a few cities. But the small chain formed mostly by the divested stores proved to be a disaster, and it declared bankruptcy soon after. Albertsons ultimately bought back nearly one-quarter of the stores it had divested within less than a year.⁵⁹

This rapid consolidation was, in part, a response to the size and power of Walmart. 60 Albertsons' chief executive offic , Vivek Sankaran, even defended its consolidation effo ts at a US Senate hearing by arguing that it was the company's best path to compete against Walmart. 61 He noted in his written testimony that "the marketplace for groceries over the past decade has completely transformed." 62 The dominance of one grocery baron is seemingly triggering the creation of others.

The empire that Sam Walton was able to build is admirable. But Walmart's early stores were not unique at the time. Thousands of Americans opened successful fi e-and-dime stores, and dozens of others even built regional chains because the regulatory structure at the time fostered the flourishing of local, innovative enterprises like Walmart. That system began to break down in the 1980s, and it's questionable whether a similar business could now be built from the ground up. Sam Walton is an American success story, but he probably wouldn't be able to succeed today because of the empire built by Sam Walton.

Vendorville

Walmart is based in Bentonville, Arkansas, just a few miles from Sam Walton's first Walmart store in Rogers. Although Walmart currently operates out of a nondescript building that doesn't seem to match its power and scale, the company is in the midst of building a massive new corporate headquarters on the east side of town. The new office are designed in the style of a college campus, with twelve buildings spread over 350 acres, and with a price tag estimated to be \$1 billion.⁶³

Bentonville is sometimes called Vendorville because its economy is built around Walmart and all its vendors.⁶⁴ I've visited Bentonville several times over the years. I first popped in on a whim in 2018 after attending an agriculture show in Little Rock. It's a charming town of over fifty thousand people that struck me as something out of *The Truman Show*. During most of the twentieth century, the town's population hovered around two thousand to three thousand people, but it exploded in tandem with the growth of Walmart.⁶⁵

In an ironic twist, Bentonville captures the Main Street, USA imagery that Sam Walton's Supercenters helped destroy in other towns across the country. Whereas most small-town squares in America are in a state of decay, Bentonville's is the only one I've ever seen with James Beard finalist estaurants next to offices for national brand ⁶⁶

The family's name and money are everywhere in Bentonville. Tha's not surprising, given that the Waltons are not just the richest family in town, or in Arkansas, or even in the United States; they are the richest family on the planet, with a collective estimated net worth of \$225 billion.⁶⁷ They are so wealthy that members of the family own two separate NFL teams: the Rams and the Broncos.⁶⁸

The Waltons have poured a lot of that money into the town that their company calls home. The Walton name features prominently on the terminal of the region's main airport as well as on a new medical school that is set to welcome its first students in 2025.⁶⁹ The family also backs several restaurants and hotels, along with owning the local bank.⁷⁰

Alice Walton, Sam's daughter, built the Crystal Bridges Museum of American Art, a world-class facility with a renowned collection featuring artists Andy Warhol, Norman Rockwell, and Georgia O'Keefe, among many others.⁷¹ The museum forms a nearly 360,000-square-foot complex with a satellite facility recently completed and an expansion underway.⁷²

Sam's grandchildren have made their own contributions to Bentonville's cityscape. Steuart and Tom Walton financed a new art and music festival modeled after *Austin City Limits*. Both heirs also have a keen interest in biking. With their influence, the family has pushed to rebrand the town as the "mountain biking capital of the world." To claim that title, the family and the company have poured over \$85 million into the region's trails, hosted an international cycling event, and even convinced the national governing body of cycling to open a branch office in wn. To

But there's a dark current running underneath that perfect cookie-cutter image. I've traveled to Bentonville a number of times since, and the town has felt a bit more eerie on each visit. I first noticed this odd vibe when visiting the recently renovated museum that Walmart built for itself on Bentonville's town square. The museum suggests that the building housed the first Walmart, but that's not entirely right. The first Walmart actually opened in nearby Rogers and is now a rundown building that's only partly occupied by an antique mall. It's fitting that the museum celebrating Walmart is situated in what's basically a movie set even as the company's actual birthplace illustrates the destruction that Sam Walton left behind.

The symbolism is telling, but I think the town's underbelly is best captured in its inequality statistics. When one thinks of systemic poverty in America, the portion of Arkansas that's located within the Mississippi

Delta comes to mind. But a 2018 investigation by the Arkansas Advocates for Children and Families found that the number of children living in poverty in the Bentonville region was actually higher than in any county in eastern Arkansas along the Mississippi River. "Almost half of children in Northwest Arkansas—48 percent—are growing up in families with low incomes, or combined incomes that aren't more than \$41,560 for a family of three."

The idyllic town square may reflect the success of the other end of the income spectrum; the top 1 percent of households in the region earned an average of \$2 million annually. But this income disparity makes the region one of the most unequal in America. In fact, the Economic Policy Institute ranked it 15th out of 916 metro areas in terms of inequality.⁷⁷

Like the broader Gilded Age economy that Walmart exemplifies and has played a role in shaping, the wealth in Bentonville obscures the hardship surrounding it. After all, the Walton family has so much money to spend on museums and bike trails because they have extracted it from the communities in which Walmart operates—from shoppers but also from the company's employees, the towns themselves, and even from taxpayers through a series of hidden government subsidies.

For example, as Walmart expanded its traditional stores into Supercenters, it would often construct a new, larger building nearby instead of simply adding on to the existing one. Those old stores frequently sat empty or underused, just like the original Walmart in Rogers. Tha may be why Walmart openings have been linked to declines in nearby home values.⁷⁸

Walmart and other major retailers have made the situation even worse by including restrictive covenants in the deeds of old buildings, which prevent other retailers from using the space for competitive purposes.⁷⁹ These provisions perpetuate food deserts and tie the hands of communities struggling to figu e out what to do with these ghost

buildings.⁸⁰ After all, it's not easy to find a use for an old Walmart that doesn't involve grocery or retail. One former Walmart Supercenter in Brownsville, Texas, became the center of a national debate when it was bought by a firm detaining migrant child en.⁸¹

Limiting competition is apparently not enough for Walmart. The company understands what happens to communities when its stores are abandoned, and it uses this knowledge to leverage a tax break. The company often engages in what is known as the "dark stores" loophole, a tax dodge that lets it evade millions in property taxes by valuing its stores as if they were closed.⁸²

These shenanigans further tilt the scales in Walmart's favor and deprive local communities of needed tax revenue. They are particularly egregious in light of the fact that many of their stores were built with massive taxpayer subsidies in the first place.⁸³ Of course, this isn't the only tax loophole the family has exploited. In 2013, Bloomberg reported that the family pioneered an estate tax loophole that is now widely used by American billionaires.⁸⁴

As bad as Walmart is for communities as a whole, it creates conditions that are particularly damaging for workers. As labor historian Nelson Lichtenstein noted, Sam Walton built a company rooted in a "southernized, deunionized post-New Deal America." Walmart has long been defined by transnational commerce, employment insecurity, and poverty-level wages, which is an ironic geographic twist on history given that the region was at the heart of the New Deal and the antichain movement.⁸⁵

Walmart employs about 1.6 million people in the United States alone, making it the nation's largest private employer. ⁸⁶ In fact, more people are on the company's payroll than the populations of eleven states. ⁸⁷ The company's impact on the labor market is so big that it drives down wages in the areas in which it builds Supercenters. ⁸⁸ In the words of one academic, Walmart effecti ely "determine[s] the real minimum wage" in

the country. 89 Tha 's why it's national news when the company decides to raise wages. 90

From its founding, Walmart has been notorious for its poverty-level wages; in its early years, the company exploited a loophole in order to pay the mostly female store employees half of the federal minimum wage. ⁹¹ It took a federal court battle for the workers to receive the minimum wage. ⁹² In 2021, Walmart employees' median income was about \$25,000, whereas CEO Doug McMillon took home \$25.7 million that year. ⁹³

Given this history, it should come as no surprise that Sam Walton hated unions. "I have always believed strongly that we don't need unions at Wal-Mart," he stated in his memoir. ⁹⁴ Over the years, the company has aggressively fought effo ts to unionize, and it seemingly closes stores whenever they gain traction. For example, after deli counter workers in a Texas Walmart Supercenter voted to unionize in 2000, the company switched to prepackaged meat and closed the department. ⁹⁵ In 2015, Walmart suddenly closed fi e stores to deal with what it said were extensive plumbing issues, which it said would take six months to fix. Some speculated that the real reason it closed the stores was to let the employees go as retaliation for labor activism. ⁹⁶

And it's not just labor laws that the company has eluded. A 2017 report based on a survey of over one thousand Walmart employees found that the company was likely violating worker protections such as the Americans with Disabilities Act and the Family and Medical Leave Act, among others. According to the *New York Times*, the company "routinely refuses to accept doctors' notes, penalizes workers who need to take care of a sick family member and otherwise punishes employees for lawful absences." ⁹⁷

As the company's power grew, it reshaped labor options and norms for millions of Americans. Gary Chaison, a labor expert, told the *New York Times* in 2015, "What you're increasingly finding is that it's the primary

wage earners who work at Walmart, because a lot of workers have more or less given up on getting middle-class jobs."98 Meanwhile, many older Americans are working at the store past the normal retirement age because of their financial insecurity, a sad reality reflected by the recent TikTok trend of elderly Walmart employees asking for donations.⁹⁹

This power imbalance between Walmart and its employees explains the poverty-level wages for many of Walmart's 1.6 million workers but also for employees of its competitors. Some unionized grocery stores have even used the opening of a Supercenter as an excuse to demand cuts to their own employees' wages and benefits ¹⁰⁰

These low wages also obscure a generous hidden subsidy that the company receives from taxpayers. Many Walmart workers depend on government public assistance programs such as Medicaid (health care), the Earned Income Tax Credit (a low-wage tax subsidy), Section 8 vouchers (housing assistance), LIHEAP (energy assistance), and SNAP (food assistance), among others. In 2013, one estimate by congressional House Democrats found that taxpayers subsidized Walmart to the tune of more than \$5,000 per employee each year through all of the government assistance programs that its workers need.¹⁰¹

In effect, instead of paying a living wage to these employees, the Walton family shifts the burden onto taxpayers. Although many people may recoil at the idea of the public filling the gap between Walmart's pay and the income its workers need to survive, not all policymakers see an issue with this sort of billionaire welfare. Jason Furman, former chair of the Council of Economic Advisers under President Obama, wrote a paper before joining the administration titled "Wal-Mart: A Progressive Success Story" that called for even more of these subsidies to Walmart's bottom line. 102

The e is, of course, another way to address the issue. Walmart failed to establish dominance in Germany because of the country's strong labor protections and antitrust guardrails. ¹⁰³ These market protections

may explain why the company eventually threw in the towel and sold off its operations the $e^{.104}$

In some instances, Walmart even receives a double subsidy. Its workers and shoppers frequently rely on SNAP, the Supplemental Nutrition Assistance Program, formerly known as "food stamps." The program originated as part of the New Deal as a temporary measure and was made permanent by President Lyndon Johnson in a bill signed in 1964. This program and several smaller food assistance programs are now part of the Farm Bill. In fact, these food assistance programs make up more than 75 percent of the most recent Farm Bill. 106

SNAP is in many ways a triumph of progressive social policy, with an average of 41.2 million people participating in the program each month in 2022. ¹⁰⁷ The use rate is so high because, unlike many other programs, SNAP was structured by the US Congress so that anyone who qualifies is guaranteed to receive assistance. As a result, the program is a lifeline for millions of Americans who might otherwise struggle to put food on the table.

But because of Walmart's dominance of the grocery sector, a very large portion of SNAP dollars now run through the company's cash registers. In 2013, the company received \$13 billion in sales from shoppers using SNAP. By comparison, farmers markets took in only \$17.4 million of all SNAP spending that same year. The amount of SNAP money received by the company surged with the expansion of SNAP benefits in response to the COVID-19 pandemic. With some back-of-the-envelope math, I came up with a rough estimate that Walmart now receives somewhere around \$26.8 billion each year from SNAP.

Unfortunately, more concrete numbers are not available because the US Supreme Court has ruled that the amount of taxpayer money that the company receives from SNAP can be kept secret. In 2019, the Court heard a case involving the USDA's decision to deny a request by a South Dakota newspaper for this information. "Most of the time, the government tells the public which companies benefit from federal dollars earmarked for taxpayer-funded public assistance programs," agriculture and food reporter Claire Brown noted. "We know which insurance companies make the highest profits from Medicare and Medicaid, for example, and those figu es have been used to pressure them to offer better options to their clients."¹¹¹ But in this instance, the Court rejected this level of transparency, with Justice Elena Kagan joining the Republican-appointed members of the Court to uphold the USDA decision under the notion that it was "confidentia" business information. ¹¹²

The program is important enough that it factors into Walmart's operational decision-making. Many Americans enrolled in SNAP schedule their trips to the grocery store around the days when their funds get deposited. In fact, the company factors this bump into its ordering system. One Arkansas reporter noted that sales of Hot Pockets triple on these days. Accordingly, Walmart worked with the company to ensure that its stores would not run out of these highly demanded items on cash infusion days.¹¹³

Both Walmart and Amazon are working hard to increase their share of SNAP dollars. Echoing the company's pivot to omnichannel sales, Walmart was one of the first retailers to begin taking part in the USDA's online SNAP program.¹¹⁴ With the onset of the COVID-19 pandemic, online SNAP purchases increased twentyfold, and unfortunately, Walmart and Amazon hold a virtual duopoly on those sales.¹¹⁵

As a result, these programs end up subsidizing the fortunes of the Walton family and, by extension, Bentonville. Like barons of past eras, the Waltons have spent at least a chunk of their wealth on charity and public works. These contributions, of course, have aligned with the family's personal interests, such as fine a t and bike riding.

Journalist Jeff ey Goldberg illustrated this point when he traveled to Bentonville for the opening of Crystal Bridges. After touring the museum, he went to one of the Walmart locations in town to ask

employees what they thought of it, but he couldn't find a single one even contemplating a visit. "One worker I met in the parking lot said that the museum wasn't meant for Wal-Mart workers," Goldberg wrote. "Others were resentful. One middle-aged woman noted how odd it was that the Wal-Mart heirs could spend so much on paintings, but Wal-Mart workers couldn't get health-care benefits. 'erry Christmas,' she said."

Alice Walton, the daughter who led the charge to build Crystal Bridges, has now focused her energy on health care. Her effo ts led to the construction of the new medical school campus in Bentonville. In 2021, she told the Arkansas business publication *Talk Business & Politics*, "We have a health industry that does not produce healthy outcomes because we do not have a system that addresses behavior change." 118

Meanwhile, the company she controls alongside her family is the country's largest seller of junk food and continues to sell cigarettes and guns. In Walmart stores alone, there were 363 gun-related incidents resulting in 112 deaths between 2020 and the end of November 2022. ¹¹⁹ And in 2022, Walmart agreed to pay over \$3 billion to settle thousands of lawsuits over its pharmacies' role in the opioid crisis. ¹²⁰

The family also created a think tank called Heartland Forward with the stated goal of working to "unleash the Heartland's potential and improve the economic performance in the center of the United States." ¹²¹ The think tank hosts an annual extravaganza known as the Heartland Summit, which features thought leaders and celebrities engaging in "participatory conversations that explore topics important to the Heartland's future." ¹²² "This is a very powerful room," famed singer, songwriter, and producer Pharrell Williams said at a recent iteration of the Heartland Summit. "The e's a lot of energy in here tonight." ¹²³

Meanwhile, the family has harnessed this energy to spend over a billion dollars undermining public schools by underwriting academics and policy organizations that advocate for charter schools. As one national reporter noted, the Waltons have "subsidized an entire charter school

system in the nation's capital, helping to fuel enrollment growth so that close to half of all public school students in the city now attend charters, which receive taxpayer dollars but are privately operated."¹²⁴

And both the Waltons and Walmart itself have long made significant political contributions. Walmart promised after the January 6 riot at the US Capitol that it would indefinitely suspend donations to members of Congress who opposed the Electoral College certification of President-elect Joe Biden. But the following year, it contributed to sixty election deniers.

The Waltons have, without a doubt, brought wealth and prosperity to their company's hometown. Between the high-paying jobs at the headquarters of a massive global corporation and the family's significant contributions to the community, it's very clear when you visit Benton-ville that the city is having a moment.

But so much of this wealth has been built on the backs of workers, supercharged by taxpayer-funded subsidies and, ultimately, extracted from the communities in which the company operates. As Stacy Mitchell, co-executive director of the Institute for Local Self-Reliance, argued, "Communities dominated by global retail chains function in many respects like the colonial economies of the European superpowers, which were organized not to foster local development and prosperity but to enrich the colonizers." 127

Steuart Walton, during a panel discussion on the future of Arkansas, recently remarked that "the communities that outperform are inevitably communities where resources are being reinvested." Perhaps, then, every decaying heartland town just needs to recruit its own barons.

America's Politburo

When I set out to write this book, I had no plans to include a chapter about Walmart. The topic has been well covered in the past, and I was also wary because so many diatribes against the company are rooted in an undercurrent of classism. I didn't want to be one more critic with a smug sense of moral superiority toward its customers.

But I knew that I wanted to include a chapter about grocery stores. After all, they're the one place where all the other barons portrayed in this book intersect, not to mention the fundamental way in which most people interact with the food system. I knew that I couldn't tell the story about the concentration of power without talking about grocery.

On an even more basic level, I truly love grocery stores. When I travel, I feel compelled to visit every new supermarket that I haven't been to before. I enjoy walking the aisles, spotting products that I've never seen, and observing how the selection varies by store and region. Ironically, it's an interest that Sam Walton shared. In his memoir, Walton wrote about how he visited competitors during family vacations. In fact, he came up with the original idea for the Hypermart when visiting Carrefour on one of those trips. 129

But as I tried to find a vehicle to talk about grocery, I kept coming back to Walmart. Nearly one of every three dollars that Americans spend at the grocery store goes through Walmart's registers. No other corporation in history has ever amassed this degree of control over the U.S. food system, one report concluded. The closest comparison, the A&P grocery store, accounted for 16 percent of U.S. grocery sales at its peak in 1933 before triggering a reform movement to rein in its anti-competitive practices. The more I tried to avoid the subject, the more it became clear that it would be impossible to talk about grocery without acknowledging the central role of Walmart.

In theory, shopping at a grocery store is capitalism at its finest. You have only so much space in your shopping cart, and each company is trying to earn a spot in that cart by constantly fine-tuning its products to find that right mix of price and qualit .

But alas, true competition is largely a mirage. To start off, a grocery store is a privatized marketplace. A century ago, most Americans did their grocery shopping in public markets or bought food at individual stores (e.g., a bakery for bread or a butcher for meat). The notion of going to a private, for-profit space to buy all their groceries is largely a recent phenomenon, and that privatization fundamentally altered the retail incentive structure. Unlike public markets, a grocery store is both a marketplace and a retailer in its own right. This shift, coupled with a consolidation of power in the space, unleashed a rampant game of legalized kickbacks and bribery centered on the grocery shelf. 133

You can think of a grocery shelf as like a movie theater. The e's a sweet spot right in the middle of a theater that most people consider to be the best spot to watch a movie. On the other hand, most people avoid the sides and front row. Shelving space in grocery stores functions the same way. Placement goes a long way in determining which product sells best.

Consequently, grocery stores can extort companies to sell access to their shelves and particularly the best spots. It's a classic example of pay to play. It becomes particularly problematic as the grocery chain gets bigger and bigger. Large grocery chains can sell access not just to an individual shelf but to a whole network of shelves. They use this leverage to extract concessions from suppliers, giving them both control over producers and a massive competitive advantage over their smaller rivals. A portion of the concessions can be passed on to consumers via discounts, leading to even greater market share, leading to even more concessions. As a result, the market power of grocery stores compounds as they grow.

In a fervor that's hard to imagine today, a backlash to this type of retail power swept America nearly a century ago, spurred in part by the market power of A&P. According to historian Bethany Moreton, state legislators introduced nearly a thousand bills between 1925 and 1937 grappling with this issue. Fifty of those bills were eventually enacted

into law.¹³⁴ These laws echoed Justice Louis Brandeis's framework of attacking concentrated market power by attempting to preserve competition in retail. Many of them centered on giving producers a right to set a minimum or maximum price for wholesalers, which gave them bargaining leverage in their negotiations with retailers.

Congress strengthened these state effo ts when it passed the Robinson-Patman Act of 1936. This federal legislation built on state actions by prohibiting certain price discrimination and other practices that favored preferred retailers. The goal of the law was to ensure that competition was based on price and service rather than bargaining strength, size, and raw financial muscle, which its authors understood would inevitably neuter competition. Accordingly, the law tried to prevent large retailers from using market power to coerce suppliers into preferential treatment.

For example, the law once prohibited suppliers from offering preferential terms such as promotional packaging or limiting access to scarce inventory to select retailers. As originally understood, the law required that special sizes offe ed to warehouse stores like Sam's Club or dollar stores like Dollar General would have to be offe ed to all retailers. Likewise, discounts for large orders would have to be extended to all retailers.¹³⁵

But a law on the books is only as good as its enforcement. In 1977, around the time that the Bork anti-antitrust framework was taking hold, the US Department of Justice announced that it would effecti ely cease enforcement of the Robinson-Patman Act. ¹³⁶ The law used to prohibit the sort of predatory pricing that Walmart engages in when it opens a new store or a new line of business to drive a competitor out of business. ¹³⁷ That protection seems like a commonsense way to maintain competitive markets, but Robert Bork and his acolytes long opposed it. Partially because of their effo ts, the Republican-appointed Supreme Court judges joined together to essentially neutralize this protection in a 1993 ruling. ¹³⁸ One academic argued that the collapse of these types of

competition guardrails played a major role in the death of downtowns of most American towns and cities. 139

Walton built his retail empire just as these competition protections were neutered. Without stringent limits on its ability to exercise market power, Walmart and other dominant businesses engaged in exactly the sort of practices that lawmakers feared decades earlier. In fact, the company seemingly violated the Robinson-Patman Act and Arkansas state law with impunity. 140

Because of its size and market share, Walmart can extract concessions in almost any dimension, which only further entrenches its dominance. These practices are so numerous that it's difficul to capture them all in a single list. Walmart contractually requires suppliers to offer it the lowest prices. ¹⁴¹ It adds on various charges called "warehousing allowance" and "margin audits" to its suppliers. ¹⁴²

Walmart even demanded the delivery of scarce inventory ahead of other retailers as shortages roiled the industry when COVID-19 started spreading in the United States. It also required suppliers to fulfill 98 percent of orders on time and in full or pay a 3 percent penalty. This command effecti ely forced suppliers to prioritize Walmart's order over everybody else's. ¹⁴³ But because Walmart is the largest buyer for many suppliers, they were at the company's mercy.

One industry expert referred to these demands as examples of "mafioso capitalism": glorified shakedowns that companies engage in simply because they can. Collectively, these sorts of mandates create an abusive power dynamic that only compounds the company's market power, with the cost of the concessions passed on to the supplier's other clients.

It's an example of what is known as the waterbed effect. "If you push down on one side of a water bed, and the other side goes up, it doesn't necessarily mean that because there was rising on one side that there's more water in the bed. It's just shifting," Michael Needler, CEO of a regional grocery retailer, testified to Congress. "So if you have market

power in a few that pushes the cost to the rest, it's zero-sum but makes an unfair advantage for the long run." 144

The company is very cognizant of the power asymmetry between it and its suppliers. It requires that no more than 30 percent of their sales come from Walmart. ¹⁴⁵ This rule may seem counterintuitive at first, but an industry expert told me that Walmart implemented it to manage its own supply chain risk. It knows that if suppliers cross that threshold, they are at risk of going out of business because Walmart is such an unprofitable and difficult clie

None of these strategies are entirely bad, but together they create an abusive power dynamic that only compounds itself. Although these sorts of tactics are nothing new, the company's unprecedented scale and power in the grocery industry give it a unique ability to shape the grocery marketplace that couldn't even have been imagined when the Robinson-Patman Act was enacted.

And with this power, the company shapes how we all eat. Decisions made in Bentonville ripple not only across America but globally. As one retail analyst commented, "Walmart lives in a world of supply and command." Another critic noted that this power lets them shape what "goods the global economy produces, how they're made, and by whom." 147

This command by America's largest retailer and grocer has altered America and the world in ways that are truly hard to grasp. First and foremost, the company has triggered a race to the bottom in every way imaginable. It practices what is known as Plus One policy, under which it demands that a supplier decrease the price or improve the quality of an item each year. The e is only so much a supplier can do to improve a can of green beans, so in practice the focus tends to be on finding new ways to lower the price.

Walmart does not need to tell the Berry Barons to shift their production offsho e, nor does it need to demand that the Hog Barons or Dairy Barons stuff their animals into metal sheds. It does not have to. It tells

its suppliers the price it wants and lets them figu e out what corners to cut to get there. For example, in 2005 Walmart wanted its beef providers to fit four steaks into a package instead of three. In response, beef suppliers started to breed smaller cows that would yield smaller steaks to fit into the packages ¹⁴⁹

This Plus One command goes a long way toward explaining why food and other goods are of such low quality these days—and why they are produced at such a high social and environmental cost. Stacy Mitchell echoed this sentiment back in 2011, calling the company out for greenwashing. Although the company makes pronouncements about greening its supply chain, it doesn't acknowledge the environmental toll caused by "the durability of products or the pace at which households burn through the stuff its sto es sell."

As Mitchell put it, "Walmart has a powerful incentive to increase the scale of consumption. Sustainability will never be more than a modest sideshow to this larger endeavor." Mitchell has since argued that the company mostly made these hollow pledges for show. Its game plan is to "announce an initiative that the media is sure to (mis)interpret as a game-changer and then quietly fail to deliver anything close to the promise." Simply put, the company deflects, sets the terms of the conversation, and normalizes its behavior.

The Plus One edict has also intensified the offshoring of the American supply chain. "Twenty years ago, if you were a factory trying to sell a product to Walmart to put on their shelves, and you weren't making it in China, they pretty much didn't want to talk to you," Peter Goodman recently reported on the podcast *The Daily*. Neglecting to offsho e was an "indication that you weren't producing at the lowest possible cost." This command might explain why Walmart is the largest importer of goods from China. 153

Sure, Walmart's Plus One command wrung efficiencie out of food supply chains, but eventually there is no fat left to cut. Workers tend to bear the brunt of this system through poverty-level wages and unsafe working conditions. It leads companies to engage in practices that would be considered illegal within US borders. The Plus One directive is received by the Berry Barons, who pass the cost along to approved suppliers, which in turn pass the cost along to workers.

This race to the bottom has led to some truly horrific tragedies. In 2012, an apparel factory in Bangladesh that supplied Walmart caught fi e. Two official told the *New York Times* that, months earlier, Walmart official had blocked an effo t to improve electrical and fi e safety at plants over cost concerns.¹⁵⁵ One hundred twelve workers died in the fi e. The foll wing year, a building housing an apparel factory that supplied Walmart collapsed, killing 1,134 workers.¹⁵⁶

In response to these tragedies, a group of retailers, trade unions, and factory owners reached an agreement to improve conditions for workers in Bangladesh. It required independent inspections at the factories, legally binding safety commitments, and contributions for safety training and factory improvements. Many global retailers signed on, but Walmart refused to do so.¹⁵⁷

Walmart's tremendous power allows the company to act as a gate-keeper for food not just on its own shelves but across the food system. It also locks in the dominant suppliers. "The slotting, the ad fees, the high-lows, the promotions, it really limits the ability for small startups to compete in almost every level, at any retailer," one food consultant told researchers. "The system is geared to support the big companies." 158

The way Walmart exercises its market power makes it prohibitively expensive for smaller manufacturers to get products on supermarket shelves. That explains why the little guys often fail and why most new items in the grocery store are just a big brand's latest variation on one of its previous products, like yet another new Oreo fla or.

Even when you think you've found a new local food company, it may just be an illusion, like the one performed by the Coffee Barons

with their multitude of local-seeming brands such as Stumptown and Intelligentsia. A recent article in *Grub Street* noted this rise of "small-washing"—the idea of marketing a product so that it feels local everywhere.¹⁵⁹ Although shoppers like the idea of buying local, Walmart's scale makes it impracticable for the company to find an individual supplier for each store.

On a similar note, Walmart's unprecedented control over the supply chain has encouraged the near total takeover of our grocery shelves by unhealthy processed foods. Walmart's distribution centers are designed to handle processed foods instead of fresh ones because of their longer shelf lives. That may explain why obesity rates inc ease when Supercenters come to town.¹⁶⁰

In many of the interviews I did for this book, I kept hearing about the "Walmart effect" The definition varied slightly from person to person. One person used the term to illustrate the death of local businesses after Walmart came to town. Others used it to talk about the degradation of product quality as Walmart squeezed suppliers. Another used it to describe the proliferation of low-wage, low-benefit jobs in the American economy.

Although the consequences differ in each of these examples, all used "Walmart effec" to comment on the power of one single family. And that power affects all of us more than we realize. One hidden effect of this power is the control that a single company has over the options available to all of us. Th ough its control over suppliers, Walmart makes product decisions that reverberate across the food supply chain. You may not shop at Walmart, but that doesn't mean that its decisions don't affect the options a ailable on your grocery shelves.

Godzilla versus Mothra

"Walmart has not only survived 'Amazon-geddon,' it is firing on all cylinders," exclaimed the *Financial Times* in a recent article. 161 Amazon still

dominates online purchases, but Walmart is catching up quickly. ¹⁶² In 2022, one-eighth of its sales came online, more than doubling the percentage from 2019. ¹⁶³ Although the company reportedly loses money in e-commerce, CEO Doug McMillon views those losses as a short-term cost to maintain its dominance, similar to how it sold goods at a loss decades earlier to drive competitors out of business. ¹⁶⁴

Moreover, McMillon's thesis that online business would boost sales in the store seems to be paying off. As McMillon pivoted the company to his omnichannel strategy, the company discovered that a customer who shops only in-store spends an average of \$1,400 per year with Walmart. On the other hand, a customer who shops both in-store and online spends about \$2,500 per year. 165 It seems that the omnichannel approach creates more loyal shoppers.

So, just as with the company's pivot to Supercenters, Walmart dove into this new era headfirst. Copying the Amazon playbook, Walmart launched its own version of Prime called Walmart+. Grocery delivery options are a core component of a subscription in the program. For an additional fee, Walmart will even deliver your groceries right to your fridge in some areas. ¹⁶⁶

Meanwhile, the company spent billions on new warehouses and on increasing automation at existing ones. ¹⁶⁷ In 2021, the company invested \$7.2 billion in these systems. ¹⁶⁸ Building on the idea that it is a distribution company at its core, Walmart is increasingly treating its Supercenters as distribution centers too. In 2022, the *Wall Street Journal* reported that the company was building automated fulfillment centers attached to existing stores. ¹⁶⁹

Automation is a central component of this strategy. According to the *Wall Street Journal*, "the backroom robots could help Walmart cut labor costs and fill orders faster and more accurately. It also could address another problem: unclogging aisles that these days can get crowded with clerks picking products for online orders." It's been reported that a store

worker can collect 80 items per hour, whereas this robotic system is meant to handle 800 items per hour. The system can handle refrigerated and frozen foods, but fresh produce still needs to be collected by hand in the store.¹⁷⁰

This omnichannel strategy proved to be perfectly timed when the COVID-19 pandemic hit. "Big-box retailers were among the early retail winners during the pandemic," the *Financial Times* stated in late 2020. "Big-box stores can partly attribute their success to their one-stop shopping advantage." Another lasting effect of the pandemic was that it drove more shopping online. By late 2022, more than half of shoppers said they bought groceries online occasionally. ¹⁷²

The company's bet on the omnichannel strategy explains why the number of physical store locations hasn't changed much since 2018. The era of the big-box expansion is over. Now the company is focused on growing orders that originate online and getting shoppers in the door of one of the thousands of stores that already exist.

Walmart has still been able to apply many of the lessons of the grocery space to its new online presence. Like shelf space, placement is everything in digital commerce. When you search for an item to buy on your phone or computer, Walmart could show you the bestseller, the best-reviewed option, the cheapest option, a local option, or a random option. Instead, it takes advantage of another revenue stream: digital slotting fees.

Like Amazon, Walmart now sells spots in your search query to suppliers. In a 2020 press release, the company announced that it was investing in an in-house advertising offering known as the Walmart Media Group, later renamed Walmart Connect.¹⁷⁴ The company plans to sell ad space in-store and online, with the aim of being a top ten ad company within only a few years.¹⁷⁵ To grow this line of business, it has acquired existing digital ad-tech firms ¹⁷⁶ The company appears to be on track to meet its lofty goals. Its global ad sales were up nearly 30 percent in 2022, generating \$2.7 billion.¹⁷⁷

But even with this focus on the omnichannel strategy, Walmart has continued to expand in several other directions. The company has even made moves into the actual production of food. In 2016, it announced its plans to open a milk-bottling plant in Indiana, said to be one of the largest in the industry. The factory is located just a few hours' drive due east of the Dairy Barons' operation. Walmart also recently invested in a vertical farm company. 179

But its biggest move has been into meat production, including a plan, announced in 2019, to develop an end-to-end supply chain for Angus beef. Scott Neal, who at the time ran Walmart's meat business, told Bloomberg that "a retailer is judged in terms of how good they are at meat." According to the publication, "the meat aisle has become a key element in Walmart's effo ts to boost its grocery business."

Concerns over the increasing power of the Slaughter Barons and their ilk may have contributed to this push. "What drives a decision like that is if we start to see a consolidation in supply," Walmart US chief Greg Foran told analysts in 2019, according to CNN Business. As Foran put it, moving into the supply chain "gives us some leverage" when the company negotiates contracts with its suppliers. 182

Yet the quest for dominance isn't limited to food. Since it's already bringing shoppers into the store with groceries, the company might as well also provide banking and health care—particularly targeting the millions of Americans without good-quality credit or health insurance. These moves bring a whole new meaning to the term "one-stop shop." "Foot traffi is the lifeblood of any brick-and-mortar retailer, and health services could give more shoppers a reason to visit stores in an era when shopping is increasingly done online," noted one Bloomberg reporter.¹⁸³

Walmart is already one of the largest retail pharmacy players in America. ¹⁸⁴ But the company doubled down on its health-care services when it opened its first Walmart Health center in 2019. These centers offer primary care services; lab tests, x-rays, and EKGs; dental, optical, and

hearing services; counseling; nutrition and fitness advice; and health insurance education and enrollment.¹⁸⁵ Some of my sources have speculated that the company is aiming these centers at the millions of Americans who are uninsured or underinsured.

The company plans to install health centers in four thousand Supercenters by 2029. ¹⁸⁶ The press release announcing the opening of the first center broadcast the company's intentions: "Our goal of becoming America's neighborhood health destination: introducing the Walmart Health center." ¹⁸⁷ Walmart also recently purchased a telehealth provider, registered a health insurance company, and signed a ten-year partnership with UnitedHealth Group to deliver care to seniors enrolled in Medicare Advantage. ¹⁸⁸ In September 2023, it even opened a pet services center that offers routine veterinary care and grooming services. ¹⁸⁹

The company has also gotten into banking, albeit through workarounds after facing significant political blowback in its attempt to get a bank license in 2007. At the front of most Supercenters, the company operates what it calls Walmart MoneyCenters, where shoppers can cash checks and pay bills. In 2013, it partnered with American Express to offer prepaid cards aimed at customers "unbanked, underbanked, or unhappily banked." They essentially operate as debit cards by allowing customers to set up direct deposit.¹⁹⁰ Then, in 2022, Walmart backed a financial service smartphone app that strives to be a "one-stop shop for a range of mobile-based financial se vices."¹⁹¹

But Walmart's move into banking hasn't been without problems. Regulators have dinged its MoneyCenters for poor oversight, and the Federal Trade Commission has accused the company of repeatedly failing to protect its customers from fraudsters. 192

Nevertheless, when you serve as America's bank, health-care provider, retailer, grocer, and, increasingly, food producer, not to mention employer, you create a powerful force to be reckoned with. To the shock of many analysts who were giving Walmart little chance to compete

with Amazon just a few years ago, the company somehow seems to have the upper hand in this clash of titans. In 2021, Walmart took in \$459.51 billion in retail sales domestically, compared with \$217.79 billion by Amazon.¹⁹³

Meanwhile, Amazon's move into grocery has been largely a dud, perhaps because many shoppers perceive Whole Foods as too expensive. In response, Amazon launched its own branded grocery store called Amazon Fresh in 2020. Like Walmart, the company plans to use the stores as micro-fulfillment centers for orders. But Amazon recently announced plans to put a pause on Amazon Fresh stores. If you would have asked me three years ago, where they would have been today in grocery, I would have expected a much bigger buildout, much more aggressive advancement, Matt Sargent, a consumer trends analyst, told Bloomberg in 2021.

And even with its successes, Walmart has avoided the same level of antitrust scrutiny that Amazon has faced. In recent years, a bipartisan chorus has emerged calling on Congress to regulate Amazon's monopoly. Congress has held hearings, and several bills have been proposed that would reduce the company's market power.

Much of the justified criticism levied at Amazon could apply just as easily to Walmart. Yet unlike Amazon, Walmart has managed to avoid being drawn into these battles, though the company seems to understand that the issue could become a liability in the future. It recently created a new position for an antitrust attorney. The person that it ultimately hired as its chief antitrust counsel has served in an active leadership role in the Antitrust Law Section of the American Bar Association. ¹⁹⁷

But that hasn't stopped it from helping to stir the pot against its chief rival. In 2019, the *Wall Street Journal* reported that Walmart secretly funded a nonprofit called the Free and Fair Markets Initiative, which has criticized Amazon's practices, accusing it of stifling competition and mistreating its workers.¹⁹⁸ The former CEO of Walmart US even called

for Congress to split up Amazon, arguing that "they're putting retailers out of business."¹⁹⁹

I don't mean to imply by any means that Walmart is on the verge of sending Amazon to bankruptcy court. Amazon is still enormously profitable and is one of the fi e most valuable companies in the world. It has real advantages over Walmart, including in its lucrative cloud computing business, known as Amazon Web Services. Like Godzilla and Mothra, the two companies appear destined to be locked in a high-stakes struggle for the foreseeable future. It's far too early to predict which company will come out ahead.

But Walmart has won the first battle. So far, it has been far more successful in moving into online sales and distribution than Amazon has been in moving into grocery and physical store locations. Against all odds, it's accomplished this feat with the same vision, ingenuity, and organization that has defined the company ever since Sam Walton spotted an opportunity to move the fi e-and-dime concept to the edge of town back in 1962.

If anything, this clash of titans will just cement Walmart and Amazon as the only players in town, with each continuing to grow its share of the pie at the expense of everyone else. "What they do is conquest," Errol Schweizer, a grocery industry veteran, told me.

The most likely outcome is that this battle for supremacy will result in more consolidation and bankruptcies. It's not hard to imagine a wave of foreclosures and a surge of empty big-box stores sitting idle or underused in the middle of a massive parking lot, like the original Walmart location in Rogers or the Hypermart outside Dallas.

As with Godzilla and Mothra, it's fun to gawk at these two titans scratching and clawing in an all-out battle for supremacy. After all, it's rare to see corporations of this size and power stare each other down. But amid the spectacle, it's easy to overlook the destruction underneath.

Conclusion

I started the long process of writing this book back in the spring of 2018. Over cheap beers in a dive bar in Des Moines, an Iowa political operative told me about a couple who had recently donated \$300,000 to Kim Reynolds, the state's Republican governor, in support of her campaign for reelection in a hotly contested race. According to the operative, the donors were hog farmers who owned a private jet emblazoned with the phrase "When Pigs Fly."

I loved this detail, which I found to be juicy and, frankly, hilarious. Even beyond the tagline, the fact that hog farmers had the type of money to make six-figu e political donations and buy a private jet ran directly counter to the image of independent family farmers that most people have in mind. The donors, of course, turned out to be Jeff and Deb Hansen.

The rumor led me down a rabbit hole on the Hansens and their hog empire. I ended up publishing a story in Vox with a friend, journalist Charlie Hope-D'Anieri, about how they built their business and the impact it was having on my home state. Unfortunately, despite my best effo ts, including tracking the plane's movements and even hiring a local

photographer to stake out the Des Moines airport, I was never able to confirm the umor.

But as I wrote this article, it became clear to me that barons like the Hansens are the norm, not the exception. In fact, the American food supply chain—everything from seeds to baby formula—has fallen under the control of a narrow group of individuals, leaving family farmers and local businesses fighting an uphill battle just to stay in business.¹ Although economic concentration affects many industries, there are few areas where it is more prevalent, or where it more directly affects people, than the food system.

I realized that the Hog Barons were just a small piece of a much bigger story about the corruption of America's food industry. I ultimately decided to profile seven robber barons, with the goal of using each one as a window into how power has consolidated and our food system has been fundamentally transformed.

One point that became clear as I wrote this book is how recently this transformation occurred. Each of the barons portrayed in these pages experienced a dramatic breakthrough during the past forty years. The Slaughter Barons, for example, were a regional footnote at the turn of the twenty-first century, and the Coffee Barons didn't even enter the market until 2012. Even the Grain Barons, the longest-tenured barons portrayed in this group, saw their revenues nearly quadruple in the past two decades.²

This situation has been possible only because of a laissez-faire framework that has taken hold in American politics. Rather than working to limit concentrated power, politicians in both parties have either helped entrench powerful interests or attempted to conduct policy in a manner that is agnostic to power. For example, rather than acting to limit the market power of the Slaughter Barons, the US Department of Agriculture tried to address the problem by throwing money at a new entrant in the hope that doing so would somehow alter the underlying

competitive dynamics of the industry. The inability to challenge power has meant that even the most well-intentioned policies have done nothing to prevent these markets from becoming increasingly broken and concentrated.

As this new framework took hold, competition laws and other rules that limit the power of large corporations were rolled back or eliminated. Previously, antitrust and competition policy was characterized by Louis Brandeis's emphasis on structural rules that directly attack the power of the largest corporations. These sorts of barriers might have prevented the Slaughter Barons and the Coffee Barons from going on spending sprees to acquire so much control over their industries. Laws like the Robinson-Patman Act limited the ability of the Grocery Barons to use their market share as a means of exerting power over suppliers and entrenching their dominance over competitors.

But because of the influence of a controversial academic named Robert Bork, the US Supreme Court adopted a radical new approach that dramatically restricted the government's ability to prevent the biggest companies from accumulating power. Meanwhile, rules that supported balance in our food system and that gave a leg up to family farmers slowly eroded, culminating in the adoption of a Farm Bill built for Wall Street.

Today, American food policy functions to subsidize a handful of commodity crops, which are often processed and transported by the Grain Barons. Diversified family farms raising a variety of crops and livestock have been replaced by large-scale industrial operations exclusively growing corn and soy, which provide the cheap feed necessary for the inhumane confinements operated by the Hog Barons and the Dairy Barons to be economically viable.

The impact on the food we eat and on the communities we live in has been profound. The relative cost of fresh fruits and vegetables has spiked by 40 percent since the 1980s, while the price of processed foods has decreased by a similar amount.³ It's no wonder that the country has experienced an explosion in obesity over the same period, particularly among Americans with lower incomes.⁴ Although wealthier folks can affo d to opt out of this system, most Americans' choices are shaped by these incentives, as well as by the purchasing power of the Grocery Barons.

As American production has shifted almost entirely to corn and soy, other crops are increasingly imported to replace what is no longer grown locally on family farms. Robust regional food supply chains have been destroyed and replaced with national and international ones. The Berry Barons have taken advantage of this offshoring of production, as well as a business model that removes them from the actual farming of the crops they sell, to initiate a race to the bottom while absolving themselves from the harm that they cause.

These changes in the way we grow and transport food have inflicted serious damage on the environment. The increasing distance that agricultural products travel means that the industry uses more fossil fuels and produces more carbon emissions than ever before. Likewise, industrial facilities like the ones operated by the Dairy Barons process manure in ways that are much worse for climate change than traditional methods of raising cows who get to roam on pasture.

On a more local level, the manure produced by confinements operated by the Hog Barons is polluting the water in my home state of Iowa, making it a hazard even to go swimming in many lakes and rivers across the state. Meanwhile, producers growing crops for the Berry Barons are using too much water in areas such as Baja California, where the supply is shrinking.

If the environment is a casualty of the barons' rise, so too are family farms and local businesses. National chain restaurants and big-box stores like the ones operated by the Coffee Barons and the Grocery Barons have proliferated, and the local ones that remain face an uphill

battle to survive. As local operations fade away, a sense of a distinct regional and local identity disappears with them. Unlike the barons, the owners of local businesses live in the communities they serve and are stakeholders in their success. Losing them means losing the glue that binds communities together.

The titans that remain are notorious for squeezing their workers. Company towns have reemerged in rural America, and workers throughout the country have seen their wages stagnate. Many workers increasingly feel that they are not respected or valued by their employer, which is likely headquartered across the country or even the world. Because of the sheer number of people employed in the food system, and because these jobs have traditionally played a critical role in driving upward mobility, this trend has contributed to the explosion of inequality in our country.

This inequality is not just a problem on an individual level; there is a strong regional component as well. The loss of family farms and local businesses means that the wealth produced in a community often no longer stays there. A handful of superstar metropolitan cities have experienced incredible growth, but rural areas and many other cities are being left behind. The Grocery Barons' hometown of Bentonville is booming, at least for those at the top of the economic ladder, but it is doing so at the expense of the many communities that the company operates in.

Entrenched interests have been able to convert their economic power into political power, which they have used to further stack the deck in their favor. The Dairy Barons have benefited greatly from the explosion of organizations called checkoffs, which are funded by a tax on all farmers growing a certain crop. Checkoffs are supposed to broadly benefit the entire industry, but they have been subject to little oversight and have tended to support the largest producers. Meanwhile, despite repeatedly engaging in potentially illegal conduct, the Slaughter Barons

have escaped severe consequences and have even continued to benefit from federal largesse.

All of these factors have combined to produce a profound sense of dissatisfaction with our political system. The e are a number of reasons for the increasing polarization and radicalization that have come to define our politics, including a media environment that has seen local papers built on trust put out of business by social media behemoths that push divisive, and often inaccurate, information. But a lack of economic balance has certainly been a contributing factor.

A culture of family farms and local businesses brings both economic and political balance. Local business owners live alongside their customers and employees and have a stake in the places they serve. Independence also gives people more control over their lives and the economic security to contribute to their community. Family farms and local businesses cultivate a healthy society in a way that outside investors and multinational conglomerates cannot.

Tha's why concentration of economic power has long been closely associated with a rise in extremist politics. Authoritarians prey on people who see their communities crumbling and feel that they are losing power over their lives and their financial future. But one of the great paradoxes of authoritarians is that they often are closely aligned with the same powerful interests that are causing this state of affairs, as the history of the Coffee Barons shows. It's not a coincidence that as economic balance is disappearing, political balance is fading with it.

It might be easy to read this book and conclude that the American food system is broken. But a friend and mentor once admonished me for calling the food system broken because, as he put it, "broken implies it once worked." Thomas Jefferso 's "yeoman farmer" built his independence on the backs of enslaved men and women. The idyllic midwestern family farm was possible only because the Homestead Act parceled out land stolen from American Indians in the midst of a genocidal frenzy.

Even the New Deal Farm Bill, for all that it did to support economic and ecological balance, operated to benefit White farmers, who pocketed the New Deal farm supports and used them to push Black farmers off their land. White landowners got wealthier, and Black people got displaced. The consolidation of power in the American food system is tragic, and the current situation may feel hopeless, but the solution is not to return to some mythic past that never existed.

Yet the history of the American food system does reveal that it has always been shaped by societal decisions about who benefits from it and who does not. Nothing illustrates this point better than the trajectory of slaughterhouse workers during the past century. When Upton Sinclair wrote *The Jungle*, slaughterhouses employed some of the most exploited and poorly paid workers in the American economy. Working in the slaughterhouse became a pathway to the middle class only because the federal government challenged the power of the Beef Trust and put rules in place to ensure that workers were fairly compensated and protected in the workplace. A robust middle class has always been the product of conscious political decisions.

We previously made a choice that slaughterhouse workers deserve to be part of the middle class, and it's within our power to make this choice again for workers throughout the food system. As depressing as it is to acknowledge that we've chosen to build a food system dominated by a handful of barons, it's also freeing because it means that it's within our power to build it diffe ently.

If there's anything to take away from this book, it's that the idea of a free market, unshaped by politics, our institutions, and other societal forces, is a myth. After all, the overproduction of corn and soy did not arise naturally. It's the result of the massive government subsidies that underpin the American agricultural economy. And it's not just the government that shapes markets. Market power compounds itself, making competition as much about size, power, and access to capital as it is

about offering a better product at a lower price. The Grocery Barons, for instance, are able to use their size to coerce their suppliers and gain a competitive advantage over their smaller rivals.

Healthy markets are not a natural phenomenon. As a society, we make decisions about how markets are structured, about the rules that govern them and what constitutes fair play, about who holds power and who does not. Once we acknowledge how these decisions have shaped the food system we have now, we can opt to create a diffe ent system that better reflects our alues.

Here are a few ideas about how to start.

First and foremost, we need to reorient our policies away from the broken laissez-faire approach that has reigned for the past forty years. That includes implementing pro-competition measures that limit giant corporations' ability to leverage their market power to exploit workers, farmers, and local businesses. Reinvigorating the Robinson-Patman Act would be a great start, and banning anti-competitive practices such as slotting fees—the amounts that large retailers like the Grocery Barons charge suppliers for a position on their shelves—is a no-brainer.

We also need to do a better job of stopping barons from rising to power in the first place. That means ending the consumer welfare standard, a failed approach that is inconsistent with the purpose of antitrust laws and that makes it nearly impossible to halt a large company's accumulation of power.

Rather than relying on esoteric mathematical formulas to determine when a company's market share is too big, we need to enact bright-line rules that prevent barons from using their dominance to establish control of one sector or to expand into others. One example of such a rule is a ban against meatpackers raising the animals they slaughter. We should also prohibit meatpackers from competing in more than one line of protein. These sorts of restrictions would disperse the power of

the Slaughter Barons and protect employees in the sector as well as the ranchers and farmers who sell to the meatpackers.

We should also make it more difficul for large firms to engage in mergers and acquisitions. No company buys another company in order to increase competition. Once a company reaches a certain threshold, it should be incumbent on it to prove the necessity of the deal, rather than on the government to prove that it is problematic. Given the consolidation that has taken place over the past forty years, it's also clear that some trust-busting is necessary to restore competition and provide some oxygen in these calcified spaces

Moving beyond antitrust and competition policy, it's time to sunset the Farm Bill as we know it. Congress should, of course, carve out and fully fund food assistance programs, but it's time to retire the Farm Bill's massive subsidies for a handful of commodity crops. Rather than paying farmers to grow corn and soy, we should use those funds to reward farmers for conservation and other sustainable practices.

Speaking of programs that have run their course, we need to retire the checkoffs. Although the original purpose of these programs was admirable, the history of checkoffs illustrates the limits of an approach that is not cognizant of power dynamics. The checkoffs have become a tool that protects the interests of the largest and most powerful actors in the industry. Short of eliminating them entirely, we should at least significantly increase oversight of these entities to ensure that their money is spent fairly and appropriately.

It's also time to put animals back on the land and aggressively phase out industrial animal operations like the ones operated by the Hog Barons and the Dairy Barons. Much attention has been paid to the abhorrent treatment of animals, especially hogs, in these facilities, but these metal sheds have also polluted the water and air of their surroundings, undermined family farmers, and destroyed the communities they operate in. It's time for them to go.

Beyond these sorts of restrictions, we should use the power of institutional buyers to drive the development of the sort of food system we want to see. Schools in particular spend a lot of money on food, much of which goes toward unhealthy options purchased from huge corporations. The substantial dollars and reliable contracts that schools and other institutions provide would be a game changer for many local and sustainable producers who are struggling to compete with the big boys.

And though the federal government can play a role in making the economics more favorable, the great thing about this approach is that state and local governments can pursue it on their own. If you're looking for a way to make a diffe ence personally, pushing your local school or another institution to buy locally is a great way to do that.

By the same token, we should ensure that government money does not go toward bad actors or serial lawbreakers in the industry like the Slaughter Barons. Likewise, we should require that any recipient of government aid for agriculture be the person actually working the land, not some absentee owner. The best definition of a family farm I've seen comes from the Wisconsin Farmers Union's policy platform: "those farm economic units in which the family provides the significan majority of labor and management for the enterprise and receives a significant amount of its gross income." Limiting government aid using this simple definition would exclude all of the barons in this book. Exploitive farming arrangements like the Southern Model should be banned too. Farmers are nothing more than low-wage workers under those power dynamics.

Speaking of which, we need to have a conversation about the US Department of Agriculture. Laws and policies are only as good as the enforcers. Th ough administrations of both parties, the USDA increasingly seems to serve the interest of the barons and Wall Street. We need to push for a reform-minded secretary of agriculture who is deeply committed to addressing these issues and who would breathe new life

into the agency. Congress should also consider transferring some of the USDA's responsibilities to other government agencies, such as having the US Department of Health and Human Services oversee the nutritional assistance programs or giving the USDA's antitrust authority to the US Department of Justice.

Finally, we need to ensure that workers are fairly paid and are shielded from unsafe or exploitive working conditions. On a basic level, we should not be subsidizing behemoths like the Grocery Barons for failing to pay their employees a fair wage. Instead of shifting this cost onto the taxpayer, we should require these companies to pay a living wage.

It's also important to enact rules to protect the safety of workers, such as restoring limits on the speed of kill lines. The emphasis should be on the well-being of the people who feed the nation, not on what's best for the corporate bottom line. This type of repositioning is key for building a long-term political coalition for all of the reforms described here.

But these are just examples of a broader approach to fixing our food system. I'm certainly not the first person to point out many of the problems outlined in this book. Folks have been ringing the alarm about our food system for a while now. But the solutions to these problems always seem to focus on the choices of the consumer: opt out of the system, shop at a co-op, buy organic.

Here's the thing: the multinational corporations co-opted the alternative system. Stonyfield Farm and Siggi's Dairy are now owned by Lactalis, a French yogurt giant with annual revenues in the tens of billions. Annie's Homegrown was acquired by General Mills. The theory of alternative consumption ultimately just created a bifurcated system, with healthy options at a higher price point for a few and the same unhealthy processed foods for everyone else. It didn't do anything for workers or local businesses or family farms.

Thereality is that any solution to these problems that does not directly challenge power is doomed to failure. This isn't a utopian vision, nor

does it require radical change. In fact, our current system—where one company controls more than one-third of the grocery market, where school districts in rural Iowa surrounded by some of the world's best farmland have sky-high rates of free or reduced-price lunch, and where workers considered "essential" don't even earn a living wage—is what's truly radical.⁹

We have an opportunity to turn the corner and build a better food system. But we cannot bring about this change without restructuring who has power. Only by challenging power can we restore balance in our food system and in our broader economy.

Tha's why we need to elect politicians willing to directly address concentrated power. As I've engaged in this work, I've been surprised how much this sentiment is shared across the political spectrum. Americans of all political stripes increasingly agree that big corporations have too much power over their families, communities, and government. That may be why an article of mine published in the *American Conservative*, of all places, arguing for many of the ideas contained in this book resonated so much with that publication's audience. Although our political system may feel stuck in the mud, fighting for a more locally oriented food system might be an off-ramp that can appeal to folks on both sides of the aisle.

The consequences of continuing down our current path are increasingly clear. More and more power will fl w into the hands of fewer and fewer of these barons. The family farms that have survived will continue to disappear, replaced by empires built by the likes of the Hog Barons and the Dairy Barons, who are raising animals that never see a blade of grass.

More of our produce will be offsho ed to developing countries that are willing to look the other way on labor and environmental exploitation. The offsho e produce picked by middle schoolers will look appealing in American grocery stores, but long gone will be the taste, nutrition, and decency.

As local businesses are replaced by cookie-cutter stores owned by multinational corporations based in tax havens, cities and towns across the country will continue to rust away. The people living in them will work for lower wages in grimmer conditions that increasingly resemble those in *The Jungle*. Shrinking paychecks will mean that more Americans will rely on food made in the Grain Barons' factories instead of fields. One's income will increasingly be reflected in one's waistline. Another marker of haves and have-nots.

And my home state will continue down its current spiral. Iowa's water will grow more and more toxic, matched only by the state's political climate. The balanced economy that once defined it will be replaced with one that resembles an extraction colony. The countryside of my youth that was filled with family farms and apple orchards and old barns and fields dotted with cows and hogs will continue to fade away until it's only a distant memory.

But it doesn't have to be this way. My vision for the American food system is simple. It's one in which any American can sit down in a locally owned restaurant or go to a neighborhood grocery store and buy affo dable, local food that was grown, picked, processed, transported, cooked, and served by folks earning a fair wage.

I hope you will join me in trying to build that system.

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Chapter 2: The rain Barons

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Chapter 5: The Ber y Barons

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Chapter 6: The laughter Barons

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Conclusion

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