

Navy victuallers and the rise of Cheshire cheese

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Abstract

Nearly thirty years ago Charles Foster claimed that a commercial Cheshire cheese trade began in 1650, the year when the first coastwise cargo from Chester was recorded in the London Port Books. One purpose of the present paper is to embellish Foster's claim by suggesting that an even greater influence upon this trade was the adoption from the early 1640s by England's state-appointed victuallers of Cheshire cheese as one of their standard commodities. They then supplied it in bulk to the navy and also to army garrisons in theatres of war such as Ireland and Scotland. The victualler who played the principal role in this provisioning from the 1640s to the 1670s was Denis Gauden. We will follow his career and final downfall, which was caused by inadequate and chaotic government financial systems.

Keywords

Cheshire cheese, Royal Navy, victualling, Denis Gauden, Samuel Pepys.

The projection of British military power has always depended upon a sufficient and well-organized supply of food to the armed forces. Cheese might not appear to be an obvious weapon of war but most of the cheeses native to England were ideal for transportation and storage. They were salted, hard-pressed and long-lasting and could be stowed in the hold of a ship for delivery overseas or for use by the ship's company. The realisation of this advantage came as early as Henry III's reign when the commissariat ordered 20 weys of hard cheese for his maritime expedition to Gascony in 1253 C.E..¹

England's State Papers in subsequent centuries frequently mention the supply of garrisons with cheese, for instance Berwick, the Channel Islands, Calais and the Irish ports, all of which depended upon seaborne provisions, especially for stocking up against the possibility of a siege or for the need to support landward campaigns. Replenishing a strategic coastal garrison required frequent sailings, even in a time of peace, because the merchant vessels available for hire in the medieval period were small.

Calais had further significance because it was captured from the French by Edward III in 1347 and sixteen years later, in 1363, a Staple was established there. This was the legal

¹ *Calendar of the Liberate Rolls, Volume IV: 1251-1260* (London, 1959), 22 June 1253.

requirement that certain goods when exported had to be shipped there as the first port of call. Cheese was on and off the Staple for the next 200 years, until Calais returned to French control in 1558. In a petition to King Richard II in 1379, Parliament complained that cheese exports had 'long since' been withdrawn from Calais and sent elsewhere, including Flanders.² To correct matters, observance of the original charter was restored but this again slipped from time to time, perhaps because traders had the nature of the product in mind, but also no doubt because they wanted to avoid the Crown's levy, charged at ¼d per wey. One reason cited by the export cheesemongers in 1380 was that they were 'greatly impoverished' because they 'customarily exported to the Easterlings and the Flemish, yet now they are deprived of it because they are not allowed to sell their merchandise anywhere other than Calais'.³

Another problem with the Staple was that merchants were able to buy licences from the Crown to circumvent its monopoly. The *Calendar of Patent Rolls* contains many examples of licences to export cheese, especially to Flanders and Zeeland in the fourteenth century. The average cargo was about 200 weys and the largest 1,000 weys (about 100 tons).⁴ There is an inkling of this in 1397 when there were complaints that foreign merchants were now having goods delivered directly to them by the licensees rather than troubling themselves to visit Calais.⁵ The entrepôt function of the Staple was therefore being undermined. This licensing system continued, however, because it meant revenue for the Crown without the complexities and leakiness of the normal tax gathering system.

What cheese was being used in maritime transport? It seems that the products of East Anglia were the first choice in the medieval period.⁶ We know, for instance, of a contract to supply Essex and Suffolk cheese to the people of Calais after the Treaty of Leulinghem (1389) ended the war with France.⁷ This date corresponds with the findings of Mark Bailey, who noted the growing importance after c.1350 of dairying in Suffolk, where 'conditions generally favourable to pastoralism led to the further growth of commercialized dairy farming

² Geoffrey H. Martin and Christopher Given-Wilson (eds.), *Parliament Rolls of Medieval England, 1275-1504. Vol. VI: Richard II, 1377-1384* (Woodbridge, 2005), 57.

³ Martin and Given-Wilson, *Parliament Rolls*, 40.

⁴ The largest was a licence for 'Hugh Walle of Ipswich to load 1,000 weys of cheese at Ipswich and take them to the parts of Flanders to make his profit thereof'. *Calendar of Patent Rolls*, Edward III, vol. XV, A.D. 1370-1374 (London, 1914), 28 June 1371, 114.

⁵ Christopher Given-Wilson (ed.), *Parliament Rolls of Medieval England, 1275-1504. Vol. VII: Richard II, 1385-1397* (Woodbridge, 2005), 82.

⁶ But in 1300 it was manors close to the Thames or in coastal Kent that were the main sources of London's dairy produce. Margaret Murphy, M. and James A. Galloway (1992) 'Marketing Animals and Animal Products in London's Hinterland circa 1300,' *Anthropozoologica*, 16 (1992), 93-100.

⁷ *Calendar of Close Rolls, Richard II: Volume IV, A.D. 1389-1392* (London, 1922), 56.

and stock fattening in most central, southern and eastern parts’, and by 1500 there was a ‘marked increase in the degree of specialization of agrarian production’.⁸

The proximity to London and the number of accessible ports were factors in East Anglia’s favour, but so also was the availability of two types of cheese. Essex was a ewe’s-milk cheese that had been made in abundance since at least the eleventh century. There is extensive evidence of this in the many placenames in Essex that end with ‘wic’, an Anglo-Saxon suffix usually associated with a dairy in a remote location. These places correlate with Domesday Book’s recording of large flocks of sheep in and close to the coastal marshes.

Essex cheese, though, was less popular than the cow’s-milk product from Suffolk. The latter was preferred for naval supply right through to the middle of the eighteenth century, and it was also shipped in large quantities coastwise to London.⁹ It came from the ‘wood pasture’ area of High Suffolk, ten to thirty miles from the North Sea coast.¹⁰ The likelihood is that Suffolk cheese was made from whole milk until the seventeenth century. Then farmers began to realise that a greater profit was possible by making butter from the cream and cheese from the skimmed milk.¹¹ Both were marketable in London and the navy took its share. As a result, Suffolk dairying prospered in the face of competition from more distant counties with lower production costs: the Fenlands for butter, for instance, and Cheshire for cheese.

From the sixteenth century onwards, we have more evidence of state procurement of cheese for victualling the army and the navy. Apart from Calais, other garrisons required seaborne supplies, such as Berwick (where cheese was first mentioned in the State Papers in April 1524)¹² and Ireland (first account April 1597).¹³ From the 1540s there are regular mentions of cheese being sourced in Suffolk for the armed services.¹⁴ In January 1586, for instance, Suffolk was the only county thought to have sufficient cheese (600 weys)

⁸ Mark Bailey, *Medieval Suffolk: an Economic and Social History, 1200-1500* (Woodbridge, 2007); *Idem*, ‘The Form, Function and Evolution of Irregular Field Systems in Suffolk, c.1300 to c.1550,’ *Agricultural History Review*, 57 (2009), 15-36.

⁹ Fisher, F.J., ‘The Development of the London Food Market, 1540-1640,’ *Economic History Review*, 5 (1935), 46-64.

¹⁰ Joan Thirsk (ed.) *The Agrarian History of England and Wales. Volume IV: 1500-1640* (Cambridge, 1967), pp. 46-9, 186, 210, 510.

¹¹ Charles F. Foster, ‘Cheshire Cheese: Farming in the North-West in the Seventeenth and Eighteenth Centuries,’ *Transactions of the Historic Society of Lancashire and Cheshire*, 144 (1994), 1-46.

¹² *Letters and Papers, Foreign and Domestic, Henry VIII, Volume 4-Part I* (London, 1870), 114.

¹³ *Calendar of State Papers Domestic: Elizabeth, 1595-97* (London, 1869), 383.

¹⁴ The first was 1544: The National Archives, Pipe Office, E 351/2478. See also Davies, C.S.L., *Supply Services of English Armed Forces, 1509-50*, D.Phil thesis, University of Oxford and *Idem*, ‘Provision for Armies, 1509-50,’ *Economic History Review*, 17 (1964), 234-48.

immediately available for the Earl of Leicester's expedition to the Netherlands,¹⁵ and in October 1595 the Suffolk Justices of the Peace were instructed to give the navy victualler first choice of cheese, with all other sales to be held back.¹⁶ Soon after, in April 1597, the navy seems to have had its own cheesemonger, Thomas Sawell, along with eleven others named in London, who arranged for these supplies to be shipped.¹⁷

In time of peace it was the London cheesemongers who bought up the best Suffolk cheese, making several trips there by sea in a season.¹⁸ But right at the end of the sixteenth century the pseudo monopoly of Suffolk in the naval market was punctured. In 1597 Cheshire cheese was supplied to garrisons in Ireland, and the following year Dutch cheese was also considered a viable alternative. Suffolk cheese was not only disliked by sailors and soldiers; at 62s a wey it was also more expensive than its Dutch rival at 55s. Writing to Burghley, Robert Arden commented that in his view 'in goodness three pounds of the Holland is better than 4 pounds of Suffolk'.¹⁹

Price rates for naval purchases are recorded from 1559, when cheese was 1.5d per pound, purchased from intermediary cheesemongers. This rate rose to 2d in August 1576 and this remained the contract price from 1602 to 1634. According to the Beveridge, the period 1635 to 1649 saw fluctuations in the base price, coming to rest at 4d per pound in the latter year. The years 1649 to 1652 were chaotic, with various state institutions panic buying in order to supply the Commonwealth's fleet, field armies and garrisoned strongholds. It wasn't until 1663 that we know of long-term contracts being negotiated for supplies to the victualling ports of London, Dover, Portsmouth and, later, Plymouth.²⁰ The navy victuallers' preference continued to be for Suffolk cheese up until the 1750s when they finally switched to Cheshire, which was more expensive but its quality more reliable.

By the time Daniel Defoe visited Suffolk in 1724, its cheese had become notorious. The skimmed milk, or 'flet-milk,' cheese had the reputation of being dry and so hard that it was difficult to cut, let alone eat and digest.²¹ In fact it became a matter of shared national hilarity:

[The] very name alone engenders smiles;

¹⁵ Anon., *The Literary Panorama* (London, 1807), col. 240.

¹⁶ B. Pearce, 'Elizabethan Food Policy and The Armed Forces,' *Economic History Review*, 12 (1942), 39-46. See A.G.H. Hollingsworth, *The History of Stowmarket* (Ipswich, 1844), p. 150 for a similar injunction in 1600.

¹⁷ *Calendar of State Papers Domestic: Elizabeth, 1595-97* (London, 1869), 381.

¹⁸ F. Hervey (Ed.) *Suffolk in the XVIIth Century: the Breviary of Suffolk by Robert Reyce, 1618* (London, 1902).

¹⁹ *Calendar of State Papers, Ireland, Elizabeth, 1598, January-1599, March* (London, 1895), 81.

²⁰ William Beveridge, *Prices and Wages in England from the Twelfth to the Nineteenth Century* (London, 1939), volume I, 511-13 and 555-56.

²¹ Also called Suffolk 'bang'.

Whose fame abroad by every tongue is spoke,
The well-known butt of many a flinty joke.²²

For Defoe, Suffolk produced ‘the best butter, and perhaps the worst cheese, in England’.²³ Trade was increasingly concentrated in a few of the larger ports, especially Woodbridge, but by 1729/30 Suffolk had slipped to only the fourth largest source of cheese for the London market. The top three sources were, first, Cheshire; second the barge traffic along the Thames from Wiltshire; and, third, the Humber ports drawing their supplies down the Trent from Derbyshire and adjoining counties.²⁴

By comparison with Essex and Suffolk, Cheshire cheese was a relative newcomer. It was as late as 1607 that Camden commented that

the grasse and fodder there is of that goodnesse and vertue that cheeses be made heere in great number of a most pleasing and delicat tast, such as all England againe affourdeth not the like, no, though the best dayriwomen otherwise and skilfullest in cheese making be had from hence.²⁵

Gradually Cheshire acquired a reputation for good quality, which was said to be due to the pastures to be found there and the skill of the dairy maids. William Webb was convinced of both:

that special gift which God hath bestowed on the soyl in and neer to that place, for the excellency of the Cheese there made; which, notwithstanding all disputations, and all the tryalls that our ladies make in their Dairies in other parts of the County and Kingdome, yet can they never fully match the perfect relish of the right Namptwich Cheese, nor can that Cheese be equalled for pleasantnesse of taste, and wholesomenesse of digestion, even in the daintiest stomachs of them that love it.²⁶

The presence of local brine springs was also a crucial factor in Cheshire’s cheese history. They provided the cheap salt that is an essential part of the cheesemaking process and will have encouraged local experiments from an early date. But Cheshire cheese did not become a popular variety in national commerce until the middle of the seventeenth century.

Charles Foster found for the Cheshire estate of Arley Hall estate near Northwich that cheese was not a prominent output before 1650.²⁷ Indeed, probate inventories show only enough to cover household needs. Nevertheless, cheese was commonly made in the early

²² Robert Bloomfield, *The Farmer’s Boy: a Rural Poem* (London, 1800), 16.

²³ Daniel Defoe, *The Compleat English Tradesman* (London, 1724), 79.

²⁴ William Maitland, *The History of London* (London: 1739), 759.

²⁵ William Camden, *Britannia* (London, 1607, translated 1610).

²⁶ William Webb (1621) *Itinerary of Nantwich Hundred*, published in D. King, *The Vale Royall* (London, 1656), 64.

²⁷ Foster, ‘Cheshire cheese’.

seventeenth century across the region, providing a skilled craft foundation upon which both the naval supply and London commercial trades could be built. David Hey found that two-thirds of north Shropshire inventories mention cheese at this period and the proportion was even higher, at over 80 per cent, in Cheshire.²⁸

Foster identified a ship that docked in London with 20 tons of Cheshire cheese in October 1650 as being the pioneer commercial sailing, but there are so many gaps in the series of port books surviving for Chester and Liverpool that it is possible that there may have been shipments before then. A stable series of port books begins in 1674, when between them the two cities shipped 878 tons of Cheshire cheese to the capital. In the later 1670s and 1680s this increased to an annual amount of over 1,000 tons, but it wasn't until 1717 that a total of 2,605 tons eclipsed Gauden's shipments of 1651-52. Maitland's celebrated estimates for 1729 have Cheshire as the principal supplier of cheese to London, mainly by sea. In that year the county shipped 5,766 tons of cheese to the capital, and in some years it also supplied 1,800 tons to the navy.²⁹ The archival trace of probate inventories indicates that much of the rapid increase in cheese productivity came on small tenanted farms of about ten to fifty acres, where production gradually evolved into specialization.³⁰

We can estimate the average output of cheese per Cheshire cow in the middle of the seventeenth century to have been about 1.5 cwt per annum, rising to 2.0 cwt by the 1720s. If we take the export by sea from the county in the early 1650s to be 1000 tons for the navy and perhaps 100 tons going to the London cheesemongers then we can say that approximately 15,000 cows would have been required to fulfil those orders. In addition, farmers were producing for local markets and for their own consumption, so a total of 20,000 cows devoted to producing milk for cheesemaking seems not unreasonable.³¹ By the 1720s the seaborne trade to the south of England of 7,500 tons needed 75,000 cows, but this extraordinary number was probably nearer 100,000 if demand from the burgeoning regional industrial and urban markets is included. It is worth repeating that 'Cheshire' cheese was also made in several surrounding counties and the economic growth it engendered was therefore shared in North Wales, South Lancashire, Staffordshire and north Shropshire.

²⁸ David Hey, 'The North-West Midlands: Derbyshire, Staffordshire, Cheshire, and Shropshire,' Joan Thirsk (ed.) *The Agrarian History of England and Wales, Volume 5: 1640-1750. I: Regional Farming Systems* (Cambridge, 1984), 153.

²⁹ Maitland, *The History of London*; Foster, 'Cheshire cheese,' 9.

³⁰ Foster, 'Cheshire cheese'.

³¹ This is the same figure arrived at by Foster, 'Cheshire cheese,' 13 for the 1680s.

Cheshire cheese, unlike the Suffolk of the seventeenth and eighteenth centuries, was made with whole milk. There was not much of a local butter trade in the county in the 1660s when the first surviving recipe for making the cheese was reported to the Royal Society by William Jackson, so the eating quality would have been noticeably better than one made with skimmed milk.³² As far as we can tell, Cheshire cheese at this time had a flaky consistency and a mild but full flavour. It also had several characteristics that made its manufacture far from straightforward. First, it required a great deal of labour to separate the curds from the whey. Jackson describes the need for three to six ‘thrutchers’, whose job it was to kneed the curd and press out the whey for the making of one cheese. For small farmers deploying this amount of labour on a daily basis would have been a problem.

Second, the cheesemongers and naval agents required large cheeses in order to minimize shrinkage *en route* to the warehouse and facilitate cutting into standardized portions on board ship or at the final destination. A cheese of 60 pounds (27.2 kg), common in the late eighteenth and nineteenth centuries, would have used the milk of 30 cows.³³ But the average herd size was only six in Cheshire in 1664 and this neatly matches the average weight of cheeses shipped to London in the same year: 12.2 lb. Any larger and farmers would have had to hold milk back over several days until sufficient had accumulated. The obvious drawback of such a system was ‘off’ flavours in the final cheese due to souring, especially in hot summer weather. There is evidence of collective effort in the seventeenth century, when some farmers were said to deliver their own milk to a mutually convenient location with a view to making one large cheese per day.³⁴

Third, large Cheshire cheeses required pressing, again to expel whey. Jackson indicated the use of three hundredweights, which at this date may well have been a large stone fixed to a screw device to enable its raising and lowering. We know that such presses existed and were valued because they appear in probate inventories. It seems likely that Cheshire was one of the counties where this engineering solution was first adopted, although more research is required to establish how and when the innovation spread. What is clear is that without sufficient pressing and salting Cheshire cheese would not have been a success in either naval provisioning or in commercial trade to London, and this may explain why it was forced to develop on a large scale later than its Suffolk equivalent.

³² Paolo Savoia, ‘Cheesemaking in the Scientific Revolution: a Seventeenth-Century Royal Society Report on Dairy Products and the History of European Knowledge’, *Nuncius*, 34 (2019), 427-55.

³³ Thomas Wedge, *General View of the Agriculture of the County Palatine of Chester* (London, 1794), 34.

³⁴ Celia Fiennes, *Through England on a Side Saddle in the Time of William and Mary* (London, 1888), 147.

Janet Macdonald is dismissive of the idea that naval provisioning made an impact upon regional agrarian development.³⁵ But the evidence from Cheshire in the seventeenth century suggests otherwise. It can reasonably be argued that in the 1650s the sheer scale of cheese procurement sustained the existing dairy economy in Suffolk and was instrumental in encouraging the nascent trend to cheesemaking in Cheshire. Several individuals facilitated this.

In November 1644 William Harris and partners were paid £833 16s 11d to take Cheshire cheese to Ireland, the first shipment of the Civil Wars to have had a named source.³⁶ Previous shipments had just been called 'cheese'. In 1646-50 there were cheese shipments from Chester and Liverpool to Dublin and Derry, which were presumably of Cheshire cheese. These were shipped by various parties including John Davies and Charles Walley.³⁷

Among the crowd of other merchants jostling for the opportunity to profit from cheese shipments, the name of Denis Gauden (a.k.a. Dennis Gawden) stands out. The first mention I can find of him in relation to cheese is on 30 September 1640 in the *Calendar of State Papers*.³⁸ Here we learn that he had bought up the butter and cheese surplus to requirements after the First Bishops' War, and the Privy Council now, a year later, instructed Lord Treasurer Juxon to facilitate its transport. The supplies were no longer fit for army use and were presumably to be disposed of on the retail market.

Gauden then played a minor role in supplying Royalist troops in the First Civil War, August 1642-June 1646. Because of its portability, cheese was important in the commissariat of both sides. In 1646 he and two colleagues proposed shipping cheese at their own risk to the English garrisons Ireland. They wanted £3,000 at 3¾d per pound (≈ 85 tons).³⁹ They did not specify a source of the cheese but their rival, John Davies, suggested sending £1,500-worth of Lancashire and Cheshire cheese at the slightly higher rate of 4d per pound. These offers were discussed, first in the House of Lords in 1646, and then in the Commons the following year.⁴⁰

Gauden's main chance came later, though, with much activity recorded in the State Papers between April 1650 and October 1652. In 1650 he became the dominant supplier of cheese among the five recognised naval victuallers. He was appointed to weigh and receive into the stores the cheese of other merchants and 'also to take warehouses, and employ

³⁵ Janet Macdonald, 'A New Myth of Naval History? confusing Magnitude with Significance in British Naval Victualling Purchases, 1750-1815,' *International Journal of Maritime History*, 21 (2009), 159-88.

³⁶ *Calendar of State Papers Relating to Ireland. Adventurers for Land, 1642-1659* (London: 1908), 396.

³⁷ *Calendar of State Papers, Domestic Series, Interregnum 1649-50* (London: 1875), Volume 2, 296.

³⁸ *Calendar of State Papers, Domestic Series, Charles I, 1640-41* (London: 1882), 115-16.

³⁹ *Journal of the House of Lords* Volume 9, 1646, 130-134.

⁴⁰ *House of Commons Journal* Volume 5, 1647, 136-138.

persons to dress and look to the same until shipped for Ireland, and also to hire vessels to transport the cheese, and to set carpenters on work to fit the vessels.⁴¹ He became the main supplier of cheese to the armies in Scotland and Ireland, some of which was ‘upon his own adventure’.⁴² He shipped 7,000 tons and more to Leith, Berwick, Dublin, Limerick and other ports, to a total value of over £70,000.⁴³ The two main sources, at over 2,000 tons each, were Suffolk and Cheshire (Appendix 1). Each of the ships used for victualling in the 1650s averaged a burden of 145 tons, so this must have meant a complex sailing plan in order to optimise delivery.⁴⁴ Foster suggests that the ketches conducting the coastwise trade from Chester to London carried only 20-30 tons each, so that particular branch of trade must have involved even more sailings back and forward.⁴⁵ The gross yield for Gauden from cheese in this period was £56,828 but we cannot be sure how much profit he made. He bore much of the risk, which was considerable given the possibility of shipwreck, piracy and delays due to adverse weather.⁴⁶

In a different context Joan Thirsk commented on the ‘resilience’ of the Cheshire cheese industry and its ability to react to these contracts at short notice.⁴⁷ The figure she quoted of 200 tons was only a fraction of the full amount listed in the Appendix to this paper but her argument was correct:

[supplying] the army enhanced the specialization of regions. The appearance of merchants negotiating bulk contracts always sent up local prices sharply, a fact which producers noted for future reference. And when relying on food bought locally, the military had to adapt their demands to what the neighbourhood could supply. Again this could have the effect of intensifying specialization.

One risk for Gauden was the possibility that he might not be able to procure the cheese in the vast quantities required. In this he had help from Captain Whitworth, newly

⁴¹ *Calendar of State Papers, Domestic Series, 1650* (London, 1876), 121.

⁴² *Ibid.*, 393.

⁴³ Some care is needed with the totals in Appendix 1 because (a) the entries marked ‘cheese and butter or items’ were mixed cargoes, and (b) some very large sums mentioned in connexion with cheese in the State Papers have been excluded because no tonnage is recorded and one suspects that they constituted nothing more than a wish list.

⁴⁴ *Calendar of State Papers, Domestic Series, 1651-1652* (London 1877). On 3 March 1652 the Sarah of London was charged with carrying 100 tons, and the Unity of Ipswich 145 tons, both to Jersey. On 11 May 1652 the Patience of Ipswich took 149.5 tons to Dundee.

⁴⁵ Foster, ‘Cheshire cheese’, 17.

⁴⁶ Among the shipments of cheese and general provisions he made between 1650 and 1652, one was ‘lost at sea’ and another was ‘seized’.

⁴⁷ Joan Thirsk, ‘Agricultural Policy: Public Debate and Legislation’, in Idem. (ed.) *The Agrarian History of England and Wales, volume 5: 1640-1750. II: Agrarian Change* (Cambridge, 1985), 302.

appointed in 1650 as Commissary at Chester and Liverpool.⁴⁸ Gauden also worked with Timothy Liveing and Francis Chaplin, the government's agents in Cheshire and Lancashire for shipping cheese and meal to the army in Ireland.⁴⁹

Gauden continued with his duties throughout the 1650s and after the Restoration he was appointed the 'surveyor general of all the victuals to be provided for His Majesty's ships and maritime causes.'⁵⁰ But cracks in the system had already become apparent in the transition from the Commonwealth to the new government. Just two days after Charles II was proclaimed king by parliament, Gauden was complaining about not being paid.

my disappointments in the timely receipts of what have been already paid, has not only been the occasion of a very great loss and damage to me, but also rendered me incapable of giving supplies to the ships when they called for victuals, which has been an injury to the provisions in store, and prejudicial to the service, as the ships were not timely dispatched, and occasioned an extra charge in victualling them elsewhere.⁵¹

The new government was short of the cash from the outset but, somehow, they had to keep supplies flowing. An example of the lateral thinking required was the 1662 sale of Calais to the French for four million livres. Of this, £10,000 was allocated to Gauden for victualling the navy.⁵² But the commencement of the Second Dutch War in March 1665 proved to be an overwhelming logistical problem.⁵³ To save the day, over Gauden's head, Samuel Pepys was made Surveyor General of victualling in October 1665 and, although there was some improvement under his guidance, there were nevertheless many complaints that the fleet was under-provisioned and that the quality of the rations was poor.⁵⁴ These failures of naval victualling were mocked by Waller in his poem *Instructions to a Painter* (1665), where he asserted that 'To check their pride, our fleet half-victal'd goes'...⁵⁵

Despite these problems, Gauden's apogee came in 1667, the year he was Sheriff of the City of London and was knighted by the king. At least some of this success had been achieved by networking, his most important relationship being with Pepys. In his diary Pepys detailed what in modern terms looks like a corrupt relationship with Gauden.⁵⁶ In 1665, for

⁴⁸ C. Armour, *The Trade of Chester and the State of the Dee Navigation 1600-1800*, unpublished Ph.D. thesis, University College London, 1956, 239.

⁴⁹ *Calendar of State Papers, Domestic Series, 1651-1652* (London, 1877), 554.

⁵⁰ Joseph R. Tanner, *Samuel Pepys and the Royal Navy* (Cambridge, 1920), 58.

⁵¹ *Calendar of State Papers, Domestic Series, 1659-60* (London, 1886), 436-37.

⁵² Donald C. Coleman, *Sir John Banks: Baronet and Businessman* (London, 1963), 10-14.

⁵³ T.P. Gillespie, 'The Navy's Food,' *Journal of the Royal United Services Institution*, 96 (1951), 139.

⁵⁴ Clara Marburg, *Mr Pepys and Mr Evelyn* (Philadelphia, 1935), 6.

⁵⁵ George de F. Lord, *Poems on Affairs of State: Augustan Satirical Verse, 1660-1714* (New Haven, 1963), 26.

⁵⁶ For instance, see the diary entry for 21 July 1664. <https://www.pepysdiary.com/diary/1664/07/>.

instance, Pepys received the ample salary of £300 from the state but this was dwarfed by a payment of £500 from Gauden.⁵⁷

In 1668 and 1673 new naval victualling contracts were issued, with Gauden again responsible, now at 6d per diem per man in harbour and 8d per diem at sea. This equated (at sea) to 1 lb of biscuit, 1 gallon of beer, 2 lb of beef or pork and 1 pint of peas daily for four days, and one-eighth of a stockfish, 2 oz butter, and 4 oz cheese daily on the other three days.⁵⁸ The problem for Gauden was that he had to victual an expanding fleet without sufficient funds from the government to supply the full rations.⁵⁹ In 1671 he was in trouble with the Navy Commissioners for his continuing complaints about poor cash flow from the Treasury, blaming his inability to have his accounts passed upon a lack of pursers' indents.⁶⁰ The government were not sympathetic. The breaking point was the Third Dutch War (1672-74), which increased state outlays at a time when it was still dealing with the aftermath of the Plague and the Great Fire of London (both 1666) and its debts from the first war. Such was the financial crisis that a stop was put on the Treasury in January 1672, a temporary measure that was eventually made permanent.⁶¹ In 1673 Gauden was eased aside by his partners in the naval supply contract Child, Littleton and Papillon, but a new contract signed in November of that year saw him resume office with new partners and this ran until 1677,⁶² when at last he was overwhelmed financially by the government's inability to pay him for services rendered.⁶³

The fall of Denis Gauden did not mean the end of cheese supplies to the navy, nor even the end of the Gauden name in victualling. Two of his sons carried on the family business: Jonathan and Benjamin were both prominent in the maritime supply of Cheshire cheese to Tangier, towards the end of its occupation by the English (1661-1684).⁶⁴

It was Gauden who pioneered the idea that Cheshire could be a reliable and substantial source of cheese for shipment over long distances. The commercially-minded

⁵⁷ Tanner, *Samuel Pepys*, p. 59; Bernard Pool, *Navy Board Contracts 1660-1832: Contract Administration Under the Navy Board* (London, 1966), 8.

⁵⁸ The tradition of 12 ounces of cheese per week for the meatless days was long-lasting, still being in force at the time of Nelson. Janet Macdonald, *Feeding Nelson's Navy* (London, 2004).

⁵⁹ Christopher Lloyd, *The British Seaman 1200-1860: a Social Survey* (Rutherford, 1970), 95.

⁶⁰ *Calendar of State Papers, Domestic Series, December 1671 to May 17th 1672* (London, 1897), 86.

⁶¹ J.K. Horsefield, 'The "Stop of the Exchequer" Revisited', *Economic History Review*, New Series, 35 (1982), pp. 511-528; Ling-Fan Li, 'The Stop of the Exchequer and the Secondary Market for English Sovereign Debt, 1677-1705', *Journal of Economic History*, 79 (2019), 176-200.

⁶² A. Turnbull, 'The Administration of the Royal Navy from 1660 to 1673', PhD thesis, University of Hill, p. 452.

⁶³ He was still receiving sums in settlement from the Treasury in the 1680s. *Calendar of Treasury Books, 1685-1689, Vol. VIII. Part I* (London, 1923), pp. 38, 71, 271, 318.

⁶⁴ *Ibid.*, pp. 28, 161, 236, 317-18, 404.

London cheesemongers needed no further proof, not least because at £1 per ton the coastwise shipment of cheese was so much cheaper than the £5-10 per ton charged for the overland routes by cart to the Trent, by barge down river, and then by sea from Gainsborough or Hull.⁶⁵ These cheesemongers were few in number. In the surviving port books of 1685-89 nine are mentioned, with John Ewer alone controlling 41 per cent of the trade. He must have had agents in Cheshire but no documentary evidence of his activities has yet come to light.

In conclusion, the decline of the Suffolk's specialized dairy economy and the shift from to one that was largely arable, all within the space of 100 to 150 years, was an extraordinary phenomenon of English agricultural history. By 1850 most of the pasture land of High Suffolk was gone, long since ploughed up for crops.⁶⁶ Cheshire stepped in to fill the gap in cheese supply, both to feed consumers in London and to provision the armed forces.⁶⁷ Denis Gauden provided the logistical pivot that enabled a scale-change in Cheshire's output but we are not suggesting in this article that he somehow established an entirely new trade. This seems unlikely. Peter Edwards has shown that the whole of north Shropshire experienced a growth in dairy farming between 1600 and 1650, with the valuation of cheese in probate inventories increasing four-fold in that period.⁶⁸ He argues that by the 1630s it is possible to say that this specialization was replacing the stock rearing and fattening that had preceded it. Edwards implies that north Shropshire's move towards cheese production was a mirror of and connected to what was happening over the border in Cheshire. If this is correct, then Foster's identification of 1650 as the threshold of the new dairy economy is late by at least two decades, possibly more. And in turn, Gauden therefore spotted an already existing opportunity to source vast quantities of cheese and thereby make his own fortune.

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⁶⁵ Foster, 'Cheshire cheese'.

⁶⁶ J. Theobald, 'Agricultural Productivity in Woodland High Suffolk, 1600-1850,' *Agricultural History Review*, 50 (2002), pp. 1-24.

⁶⁷ The transition began in 1650 but took a hundred years to complete. Cheshire finally replaced Suffolk cheese in naval contracts from 1757.

⁶⁸ Peter R. Edwards, 'The Development of Dairy Farming on the North Shropshire Plain in the Seventeenth Century', *Midland History* 4, 3 (1978), 175-190.

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Appendix 1. Cheese shipments by Parliament, 1649-1652

Date	Destination	Victualler	Cheshire (tons)	Suffolk (tons)	Other cheese (tons)	Value (£)
27.6.1649	Ireland	Walley				1000
30.6.1649	Dublin	Smith	5			210
30.6.1649	Dublin	?	1.33			?
10.7.1649	Derry	Walley	10			?
6.9.1649	Ireland	?				41.31
6.9.1649	Ireland	Smith				221.51
25.12.1649	Ireland	Harris et al.			200	?
12.1.1650	Ireland	Lucie and Harris			186.75	7517.50
12.3.1650	Youghal	Gilbert				230
4.4.1650	Carrickfergus	Walley			30	1230
16.4.1650	Ireland	Walley	15			?
16.7.1650	Kinsale	?			8.04	?
19.7.1650	Berwick	Gauden		300		2800
19.7.1650	Berwick	Gauden				400*
26.7.1650	Berwick	?			180	?
29.7.1650	Berwick	Gauden			120	1440
6.8.1650	Berwick	Gauden				1000*
16.8.1650	Carlisle	?			40	?
3.9.1650	Berwick	Gauden				700*
13.9.1650	Berwick	Gauden				2600*
17.9.1650	Berwick	Gauden		300		2800
25.4.1650	Ireland	Gauden				91.57
9.7.1650	Ireland	Swan				59.16
9.7.1650	Ireland	Gilbert				150.33
29.7.1650	Berwick	Gauden			120	1440
18.10.1650	Ireland	Gauden		300		2800
14.11.1650	Scotland	Walley	40			?
5.12.1650	Scotland	Gauden		43.84		1001.55
9.12.1650	Scotland	Gauden	300			1500
30.12.1650	Scotland	Walley	40			730
30.12.1650	Scotland	Gauden			120	?
8.1.1651	Scotland	Gauden	300			3450
4.2.1651	Leith	Gauden		315.85		3243.83
27.2.1651	Ulster	Walley	100			?
27.2.1651	Scotland	Walley			40	247.50
17.3.1651	Leith	Gauden			64.96	2176.03
18.3.1651	Leith	Gauden			90	?
18.3.1651	Scotland	Gauden		11.61		681.21*
25.3.1651	Ireland	Walley			0.15	?
25.3.1651	Scotland	Gauden			44.05	1475.68
21.4.1651	Leith	Gauden	100	100		1600
5.5.1651	Scotland	Gauden	100			1200
22.5.1651	Scotland	Gauden	46.67			1423.5*
19.6.1651	Scotland	Gauden	100			1600
19.6.1651	Scotland	Gauden		100		1200
1.7.1651	Leith	Gauden	330.35			5951.54
21.1.1652	Ireland	Gauden			200	2850
11.2.1652	Scotland	Gauden			500	?
17.2.1652	Ireland	Gauden	200			?
13.4.1652	Scotland	Gauden			200	?
13.4.1652	Limerick	Gauden	200			2850

19.4.1652	Limerick	Gauden	30			?
27.4.1652	Liverpool	Gauden	50			?
27.4.1652	Ayr	Walley	50			?
10.5.1652	Scotland	Gauden			60	?
14.5.1652	Ulster	Whitworth	40			600
16.5.1652	Carlingford	Whitworth	40			719
21.5.1852	Leith	Gauden		506.6		1707.92*
5.8.1852	Limerick	Eaton			45	?
12.8.1652	Ireland	Gauden		200		2850
16.8.1652	Ireland	Gauden	200			2850
20.10.1652	Carlingford	Whitworth			40	480
21.10.1652	Ireland	Gauden	125.26	18		1139
21.12.1652	Ireland	Lagoie et al.	50			1230

Note: The values refer to cheese, except where an asterisk shows that butter or other items were included.

Sources: *Calendar of State Papers, Domestic*; *Calendar of State Papers, Ireland*; *Calendar of Treasury Books*.