WORLD ECONOMIC HISTORY GENERAL EDITOR · CHARLES WILSON

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The Rise of the Atlantic Economies

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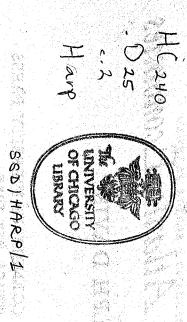
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13 France: The Unsteady Giant

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more than seven million people, and the Dutch Netherlands two. this kind west of Russia; England and Wales only crept past five contradiction from the experience of particular areas. towns and rural manufacturing regions and the eastern interior. the south of France, and between the Atlantic and channel coastal advance and decline, shows great differences between the north and 1664. The chronology of prosperity and depression, of population from foreign countries, until Colbert overhauled the tariff system in and toll barriers divided them as much from each other as most were ent resources; communications between them were poor, and tariff genuinely independent but most of them clients of greater powers. farther east were divided among a multitude of small states, a few million late in the seventeenth century, Castile at its peak had no of the seventeenth. There was no other national concentration of nineteen million (in a considerably larger territory) towards the end nineteen million of them in the late sixteenth century, around western Europe were Frenchmen living on French soil; eighteen to within a single political boundary. Nearly half the people of the population with a common language and culture embraced Generalizations about French development are constantly subject to than in the economic sphere. Its economic regions had very differ-The great numbers of the German- and Italian-speaking populations French unity, however, was much more striking in the political A he basis of France's political strength was the size of は に からない かられい としがらいない

Most French economic historians set their history within a framework of sixteenth-century economic advance and seventeenth-century economic decline or at best stagnation; indeed, they write of

> internal conflicts between 1626 and 1659. peace in 1598 a new period of industrial expansion was ushered in northern France, until after 1,80. When Henri IV secured a general vance continued in the Paris region, and probably in most of Middle Ages, and from its own particular affliction, the Hundred nings of economic advance go back to the decades 1450-80, when that was halted by the beginning of a period of renewed wars and the country; prosperity faltered in the south in the 1,60s but adtrade. This recovery had not quite reached its natural limits when and Picardy went on until late in the sixteenth century. There was a of the country until it was ended in 1453. Thereafter the loss of century, referring to a period running from 1630 to 1730. The beginthe beginning of the religious wars in 1362 began to disturb parts of the creation of hundreds of new fairs reflected the growth of internal prolonged industrial expansion especially in the north and east, and lands and villages were reoccupied - a process which in Burgundy population was gradually recovered and empty and abandoned Years War with England that had repeatedly devastated great areas France was emerging from the long European malaise of the late 'the tragic seventeenth century' or the crisis of the seventeenth-

northern France was repeatedly invaded from the Spanish Nethernew century all the adverse influences returned together; famine, had room for expansion in the quiet years after 1600, with some the poor was tested by the reappearance of plague, which raged until well on in the eighteenth century. The lowered resistance of rate was declining in some localities soon after 1360, and generally not merely war that caused the slowing of expansion. The birth existing agricultural techniques would bear. War intensified the of France the land filled up to support the maximum numbers its many Frenchmen again as there had been a century earlier. In much with rapid population increase; by 1580 there may have been half as tion for a hundred years from the late Middle Ages was associated port of La Rochelle underwent a prolonged siege. Serious epidemic plague, and the devastation of external and internal war. After 1626 recovery of birth rates in the 1620s, but in the second quarter of the by the 1580s, and there was no full recovery to the old level of births already growing difficulties of feeding the population, but it was lands, and eastern France from the Rhine valley, while the great harvest failures of the 1590s. A heavily reduced population again through many years of the 1,80s and returned in the wake of the The general economic expansion that ran without much interrup-

returned in 1619 and struck repeatedly during the next few decades, particularly in 1627-31 and 1636-9; the whole country except the Mediterranean south was engulfed in the catastrophes of 1648-52 when famine and epidemic raged alongside the Frondist wars; and there was a final if more localized burst of serious famine in 1659-62. The losses of those years, and particularly of 1648-52, reduced French population to a level far below its old peak of 1580 or 1630.

Many of the setbacks that afflicted the French economy must be attributed to the character of French government; its extreme weakness during much of the period 1,60–1666; and the reaction against the consequences of this weakness.

nobles who were seeking for the last time to recover their independtownsmen built up widespread resentment. In the years 1648-53, had begun and developed an intensely absolutist rule. The nobility, French economy in the seventeenth century. In the aftermath of the risings known as the Fronde. These years mark the low point of the classes and the urban poor - above all the Paris mob - in the series of ence from the crown secured the support of discontented urban mously costly, and steeply increasing taxes on both peasants and eliminated Spain from the ranks of the great powers - was enor-Fronde, Louis xiv built on the order and confidence that Henri iv France into the Thirty Years War in 1624 Prolonged war - which was to reassert France's place in the affairs of Europe, and he led minister of Henri's weak successor. Richelieu's purpose, however, tion in 1610 his work was consolidated by Richelieu, the able government under which France prospered, and after his assassinato bring the nobility to heel and end the war. He created a strong pants, to rouse national feeling against Spanish intervention, and so was able to begin reconciliation of the genuinely religious particibetween the contestants. At last in 1594 a strong king, Henri IV, depending heavily on the clients and resources of their noble crown was unable either to suppress the struggle or to decide finally leaders' home territories. The wars were prolonged because the drew support on one side from Huguenot fanaticism, on the other between 1562 and 1598 was largely fought by noble factions that on kings. The long series of religious wars that so damaged France they were able to rally forces round themselves and bring pressure commanding the allegiance of men over large areas of France, and from Catholic reaction and the external support of Spain, but both The great nobles of the sixteenth century were territorial lords

discredited and deprived of power, was allowed to maintain most of its old tax exemptions, was bolstered with sinecures and privileges, and renewed in each generation by creations from the ranks of financiers, tax-gatherers and officials who had built up fortunes in office. With the nobility either crushed or pacified, the king was able to pursue his own policies, leading France into great and costly wars in which French resources were poured out, taxes nearly doubled, French territories invaded deeply in the north and east, and colonial possessions lost.

France was overwhelmingly rural and indeed agricultural – despite the wide range of employment in rural industry. The agricultural basis seemed incapable after the 13600 of supporting more than a generation or so of rapid population growth without running into disaster. In agriculture, however, it is least of all possible to speak of France as a whole, and we must examine the different experiences of broad regions, and above all those of the cornlands of the north, and of lands with a more mixed agriculture that came within the fringes of Mediterranean climate in the south.

woollen manufacture that their families could find in much of this woods, and above all on the industrial by-employments in linen and in open fields, with a three-yearly rotation that left one-third of the region. The greatest part of the arable land was cultivated in strips land fallow each year. After the 1580s little fresh land of any value rents and dues - notably hemp, or in suitably wet country flax. tained. The peasants of this region were heavily preoccupied with farmers, on carrying, charcoal burning and other work in the earnings that did not come from the land; on wage labour for larger fruit trees; they usually reserved a little land for saleable crops to pay went hungry and even starved. Most had patches of garden where years of exceptionally bountiful harvest; while in bad years they manure. Few peasants had much surplus corn to sell except in the corn production; but yields were very low because of lack of and common was very scarce, so that few animals could be mainlarge proportion of France's population. Here peasant holdings ward, densely populated and indeed overcrowded, contained a The plains and low hills of France from the Loire valley north-Nevertheless, the small peasants depended heavily for survival on they grew peas and beans and roots, and kept a vine and one or two though they were supplemented with rented land - whilst pasture were tiny - two-thirds of them less than two and a half acres,

could be taken into cultivation without encroaching on the already scanty commons, so there was much division of peasant holdings and an intense competition for rented land that pushed rents up steeply in the first half of the seventeenth century. Nevertheless, many of the young men could secure neither holdings nor regular employment, and had to move to the towns to seek work. This was the region that suffered most severely from inability to adjust its production to population growth except over quite short periods. A generation of over-full farm-houses, or of further subdivisions of holdings, eventually faced a year or two of exceptionally bad harvests without sufficient reserves, and was sharply reduced in size by famine, accompanied by disease. With the land so empited the survivors had a few decades of easier conditions, and then the growth of population brought crisis again. This was a sequence that was repeated time after time between 1580 and 1710.

and enclosures for olives and vines. They were favoured by the and make themselves holdings, bringing marginal grazing lands of excess population did not operate so mercilessly here. Through were poor; if life was normally hard, the periodical squeeze-out of it was infertile or inaccessible and the livings obtained from it northern France in those periods when it had a surplus, or even grew vines, olives and fruit on hillside terraces or in enclosures, and suited to corn both by the uncertainty of rainfall and the difficulty slowly because younger sons of peasant families could still go out cropping. Corn was grown at times wherever land was suitable and or ten; that is with no regular rotation, and with adjustments to during the religious wars) the rural population was able to expand two hundred years from 1480 to 1680 (with some interruption from the Baltic. The land was emptier than the north, though much had a variety of products. He grazed sheep and goats on the uncould be watered naturally or by irrigation; but the average peasant proaching the Mediterranean and a drier, sunnier climate, were less into cultivation, terracing hillsides, making small irrigation works his own harvest, and the region imported a large quantity from Except in the most bountiful years he bought corn to supplement was heavily dependent on the market conditions for these products. cleared hillsides, providing wool, milk and occasionally meat. He the rise or fall of demand by small changes in the frequency of normally kept as rough pasture but cropped one year in five, eight of terrain. Much land on which corn was grown was of poor quality, The southern lands - Languedoc, Provence, Dauphine - ap-

growing European demand for these semi-luxuries; but as increasingly unsuitable land was pressed into cultivation the inevitable limit of this process was reached around 1680, when serious food shortages developed in the south, and many of the peasantry fell into debt and their land was sold.

In the wooded districts of the west — Brittany and western Normandy – there was a distinctive rural economy, in which corngrowing peasants kept far more animals than those in the rest of northern France. The best land was under corn, with a patch for hemp; but beyond this each peasant had substantial grazing land, parts of which he burnt over occasionally and replanted with corn for a year or two. Most households had cows and sold butter and cheese, whilst nearly all were able to supplement income by work in the linen industry. This was an area of modestly prosperous peasants, and here too the pressure of population was slower to make itself felt than in the great cornlands.

weeding out of the poorer peasants and the advancement of other as well as economic pressures) and the intensity and modernity of the size of farms (a function of inheritance laws and social attitudes merely to the variety of pressures of landlord and state, but also to standards of the peasants in different countries and regions; due not in this extreme form, was the basic weakness of the French economy. suffered, from time to time, a massive mortality. Peasant poverty, poor (as the English were not) because they were unable to assure English and Dutch counterparts. In an absolute sense they were were poor not merely in the sense that they were poorer than their lands and England than in either France or Spain. French peasants peasants into modest farmers had gone much further in the Nethertheir cultivation. By the middle of the seventeenth century the were, of course, great differences even between the average living tiated condition close to a common subsistence level. But there of the mass of peasants throughout Europe as living in an undifferenpre-industrial age as a matter of course, and it is all too easy to think themselves regularly of the minimum needs of life, and therefore Peasant poverty is spoken of in the history of every country in the

Contemporary estimates of peasant income, dubious as they are, show such great differences that it is hard to believe they are wholly misleading; and they reflect the consequences of very small peasant holdings in France, and the lowness of French agricultural productivity. In England, taking the categories of freeholders and farmers (covering 31 per cent of the population) in Gregory King's estimate,

60 ducats, about £17. estimate for the peasantry of New Castile in 1630 gives a figure of 200–300 livres, the equivalent of £9 to £14. A still more tentative mate for 1701 gives a corresponding figure of peasant income of who would be classified as peasants in France, the average income category of cottagers and paupers, which includes many people (covering 5), per cent of the population) is \pounds_{27} . In France an estifor 1688, the average income is f_3 : extending this to include the

that the penalty of a bad harvest was not merely worsened hardship strophes occurred from time to time during the decades around emergence of a large market for industrial products, and ensured peasant poverty delayed agricultural improvement, held back the gest the corn supply problem was being mastered. This continued differences in prices between ordinary and very bad years, and catawere now short of corn. Consequently there were enormous 1700 when the long-term course of corn prices had seemed to sugbuyers appeared, the peasants who normally fed themselves but limited transactions in corn, but in very bad years a host of new appeared on the market; in most years market prices reflected quite minimum levels. A great part of the corn produced in France never largely devoted to subsistence farming, and living very close to much less light on those of a country whose peasantry was still indicator of the problems of a market-oriented economy; it throws The movement of grain prices in the markets may be a good

gether to provide pastures for fattening cartle driven up from their farther out to the south and west, landholdings were thrown toin the neighbourhood of the rapidly expanding city of Paris. ment during the first quarter of the seventeenth century, especially and beyond the reparation of the damage of the religious wars, well as good, accelerating as corn prices fell away after 1662. Over centration on corn, but it then proceeded, through bad periods as pressure was becoming exceptionally heavy and required more contion was slowed in the decades around 1600 when population rearing grounds on the heights above the Loire valley. On the north Market gardens came to circle the city closely on the south; and there was a considerable investment of urban resources in improvefication and expansion of agricultural production. This diversificadiscussions in terms of the yield of corn crops obscure the diversipractices; but nevertheless there was change. Here as elsewhere, France suffered from too slow an improvement in agricultural

> of ecclesiastical home farms in the area. Rents rose steeply in the marginal land for corn and the extension of vineyards went on into rearing for the Paris market. In the south a steady ploughing up of forest for cornland in central France. In a wide area serving Paris, ances of heath in Poitou to produce new métajage holdings which was change entirely confined to the Paris region. There was much and richer peasantry trying to build up large compact farms. Nor influence of the competition for holdings, particularly by bourgeois Paris region, more than doubling between 1610 and 1670 under the built up by capitalist farmers taking their example from the handful side some large wheat farms of two to three hundred acres were the 1670s, long after stagnation had set in over much of the north. pasture areas were being extended to support speculative stockthey stocked with animals for mixed farming; and clearance of drainage of coastal marshland in the south-west; seigneurial clear-

Much peasant-owned land was sold to creditors in the 1650s and taxes when their crops and property had been destroyed, and in village communities to fall into debt in attempting to meet dues and most important, the wars themselves caused many peasants and rents of the land they let out. Finally, and perhaps in the long run town merchants, lawyers and officials, were able to push up the rising population to the 1630s the landowners, many of them now supplemented this with plots of rented land, and in the period of most peasants owned some of the land they used, they normally seigneurial burden was replaced by a fiscal burden. Moreover, the tithes. A great part of the tax increase fell on the peasants; the old the level of taxes very sharply, and reactivated the collection of ever, Richelieu vigorously reshaped the tax administration, raised had fallen during the religious wars. Between 1620 and 1640, howrise in prices, and of tithe by the disrepair into which its collection much of the real burden of old, fixed seigneurial dues by the long and of the tithe system under Richelieu. They had been relieved of of the peasantry was seriously worsened by the reform of taxation cultural investment less attractive to urban capital. The condition renewed foreign war ruined many peasants, and its risks made agriin the cornlands of northern and eastern France. The devastation of 1660s in order to liquidate these wartime debts. borrowing to replace stock that had been killed or driven away. landlords found opportunities to replenish their incomes. Though This expansive movement came to an end for a time in the 1630s,

The early seventeenth-century changes, promising though they

demand for the products of industry. had little opportunity to accumulate capital, or to offer a useful taxes, tithes and rent taking a third or even a half, of his income, seventeenth century, his land producing a low return, and with in the most propitious circumstances. The peasant of the midmost of old seigneurial rights, and he invested in improvement only they could from the tenants, whether from rents or from making the three bad harvests or a single encroachment by marauding soldiers. employment, and easily tipped into shortage and debt by two or the assistance of wage-labour on others' farms, or industrial byvery small, ill-equipped, adequate to sustain the peasants only with numbers, remained rare in most villages. Holdings were generally large holdings - known in the north as laboureurs - while increasing in invasion and civil war. Prosperous and well-equipped farmers of peasants, who were to be further impoverished in many areas by were, were limited in scope. They left France still a country of poor The landlord, rarely resident, left it to his agents to squeeze what

town finishing trades and town markets, had by 1650 pushed far towns remained important industrial centres, but by the middle of country but also by spreading out geographically; woollens from expanding in northern France not only by moving from town to and seventeenth centuries the most important developments were in iron manufacture on a small scale in many parts of eastern France, southern France, aided by a large immigration of Italian and Spandepression, much of the new industrial growth was in eastern and through convenient ports. Despite all the difficulties of internal beyond serving merely local demands or sending goods abroad almost entirely rural. These rural industries, using the resources of and middling fabrics in both linen and woollen industries was the seventeenth century the early processing and weaving of coarser linens extended still farther into Brittany, Maine and Anjou. The eastwards into Champagne and westward into Normandy, while Picardy and the Cambrai area where they had long been settled, Normandy but increasingly in the countryside. Textiles were the linen and woollen industries, first in the towns of Picardy and particularly Dauphiné. But over the whole period of the sixteenth Paris and Orleans, a new woollen manufacture in Languedoc, and after 1536 at Lyon, fine linens in the Reims area, tapestry-making at ish artisans and traders. Silk weaving was developed at Tours and In the early stages of France's recovery from its late-medieval

transport they had created a national market for their products in France, so that, for example, cloths made in the area of Beauvais or Mans were sold in every corner of the country.

were the producers of heavy high-quality cloths, who faced duced by the new Dutch industry at Leyden or the English makers to change the methods, organization and fabrics they knew, and tive urban artisans in these heavily regulated trades were unwilling cloths, though spinning was entirely rural. The technically conservaincreasing competition for a market that ceased to expand. At the ing range of types of woollen cloth. The chief sufferers from this fashions in textiles; not merely the turn from woollens to silks, out some work to rural labour. The towns abandoned the more late the industry by subsidizing the immigration of Dutch and cloths, and they were only checked by Colbert's imposition of very they could not stand up to the competition of innovations pro-Picardy were still major centres for weaving and finishing these linens and presently cottons, but also the acceptance of an increasstandardized products to rural makers, and began to produce new several journeymen; and he made his production flexible by giving in which a single master, backed by merchant finance, employed town craftsman had generally been replaced by the small workshop changed its structure and its products. By 1680 the independent difficulties and encouraged by state assistance, the industry slowly high tariffs in 1664. Behind this tariff barrier he attempted to stimuin Wiltshire. The French home market was invaded by these foreign beginning of the seventeenth century the towns of Normandy and eighteenth century. and with these luxury products went on to a steady expansion in the fancy woollen mixtures, incorporating silk, camel- and goat-hair; Flemish weavers and entrepreneurs into Normandy. Pressed by its The seventeenth century witnessed the appearance of changing

The rural industry in Picardy had turned over to making cheap, light woollen cloths or worsteds during the sixteenth century, and this manufacture flourished, developing a big export to Spain. Its centre, however, was a border area particularly prone to invasion. The great industry of the Hordschoote region, making the popular light cloths known as says, was severely damaged by the religious wars and the Spanish invasion of the 1380s and 1590s; recovering a new prosperity in the first quarter of the next century, it was again destroyed by war after 1630. But the industry revived once more in the decades of stability after 1660, extending into

Normandy and Champagne, and producing still cheaper varieties of cloth. On the other hand, the Languedoc industry which captured Mediterranean markets during the sixteenth century was so badly weakened by the troubles of the 1640s and 1650s that even a massive concentration of state assistance in Colbert's time put it only precariously on its feet, and full recovery was delayed until well into the eighteenth century.

of labour and as a consumer of a readily grown flax crop. The industry, situated close behind the ports of the channel coast and petition, for the European demand for linens was still rapidly the Atlantic, was strongly oriented towards exporting. Though supplement these native supplies by large imports from the Baltic. west, but even before the end of the sixteenth century it had to introduction of Dutch bleaching methods and the best French long-term growth, well able to cope with Dutch and German combadly hit by the mid-century wars, it was firmly set on a path of izers; and it gave double support to rural population as an employer of rural outworkers taking their materials from merchant organ-Anjou's chief product was canvas. Everywhere the industry was one market but also exporting through Nantes and St Malo, while Brittany had a varied linen production, largely serving the home exported through it; they had no competition except from Flanders The best quality linens were made in the area behind Rouen and used flax grown in the lower reaches of the river valleys of the products forged far ahead of their rivals. The industry originally from the Netherlands; its quality was improved after 1600 by the there. During the sixteenth century it was able to replace imports industry at the end of the Middle Ages) and spread southward from (where it began with labour released by the decline of the woollen canvas. The French industry first grew to importance in Picardy they now led Europe was linen, especially fine linens and best quality in the seventeenth century from the rising Silesian industry. The French could not excel at everything, and the speciality in which the Dutch and English, while new competition was appearing late The leaders of the European woollen industry, in fact, were now 不知道 经营业的 医大大性 医大大性 医二种 医二种

The silk industry, exceptionally among textiles, was an almost wholly urban one. Its centre after the middle of the sixteenth century was Lyon, well away from the main currents of war; and its competitor was not one of the freely reorganizing countries of the west, but an Italian industry that was old and inflexible in its ways.

The industry at Lyon therefore flourished almost throughout the seventeenth century, diversifying its range of products into damasks and brocades to attract new customers. During the four mid-century decades that were disastrous to much of French industry, the number of silk workshops in the Lyon area actually doubled. The organization of the industry changed; it was brought largely under the domination of the merchants who imported silk from Italy. The master artisans were reduced to the situation of dependent workers, though they still held to their own workshops and employees and maintained some influence through control of the gilds. Finding most of its customers among the rich, the industry was less affected than others by changing tides of prosperity, and it widened its appeal as some of the middle classes came to have aspirations to luxury.

Beyond these industries, which served national and international markets, industry was generally scattered in small units and narrow producing areas. In such a large and thickly populated country the total output was large, but it is hard to measure or even see its approximate size with any clarity. The modest sixteenth-century expansion of the metal industries, and of the iron industry in particular after the introduction of the blast furnace, was checked in the following century by the expansion of Dutch trade in German, Lorraine and presently Swedish iron and iron goods. It remained a small-scale industry, generally with old-fashioned methods, in many of the well-timbered areas of France, to be given some stimulus after 1661 by Colbert's subsidization of selected enterprises in Dauphiné, Burgundy and Languedoc. Beyond this, even such well-known industries with export markets as chemicals, paper, glass and fine leatherware were small.

There was an old tradition of government regulation of urban industries, both through the general regulation imposed by municipalities with the backing of royal authority, and through the strictly controlled gilds that had been created in many towns – again with royal support – and regulated entry to trades and work within them. The check to industrial growth after 1630, and especially the difficulties of branches of the woollen industry, caused government to return to industrial protection in 1648. After 1661 the royal minister Colbert set out more systematically to develop some branches of French industry. He believed that French manufactures had been losing something of that feeling for quality that had enabled them to compete with the Italians in the luxury market in

or Van Robais woollens; some left in private hands but given temof manufacture were set up in state workshops - Gobelins tapestry sought, at almost any price, by the wealthy at home and abroad, and the sixteenth century. The highest quality goods would always be their influence on production indirectly through their dominance of chants dealt directly with the workers; but in the towns they exercised more saleable products. In the advancing industries there was a down by merchant pressures exercised directly on producers to get the countryside accelerated, and craft conservatism was broken population growth and trade expansion. The move of industry into century, which bore its fruit in a generation of comparative peace, organization forced upon industries by the difficulties of midwork had less influence on the recovery of 1660-90 than the reindustry and in the long run to its weakness. In any case, Colbert's and reliance on privileges that added to the rigidity of French left behind also his legacy of detailed control, meticulous inspection foundries. In these advantageous respects it outlived Colbert; but it Languedoc woollen industry on its feet, and in establishing cannon fine-woollen industry of north-western France and setting the esteem of the best French products, in aiding the recovery of the inspectors. The policy had some success in raising the international regulations to be minutely observed under the eyes of government porary monopoly advantages and subsidies, and put under strict he sought to create a new French reputation for them. Some kinds modestly prosperous but dependent workshop owners. dependent wage-earners on the other. In the rural districts mergeneral tendency towards the replacement of independent craftsmen by sharply divided groups of merchant capitalists on one side and

The impact of the new currents of trade that began to flow through Europe in the late fifteenth century had been felt chiefly on the periphery of France. The north-south route through the Rhône valley gained renewed importance, and Lyon became the most active financial centre of the west outside Italy. Marseilles and Toulouse flourished on expanded trade with Spain, and the connection of northern France with Antwerp was strengthened. But France's size, population and natural resources enabled it to be remarkably self-sufficient. At the beginning of the sixteenth century France's only major foreign supplier was Italy, from which it imported fine silks and other fabrics, spices, drugs and dyestuffs. The encouragement of the new silk industry at Tours and Lyon, and the opening of direct

trade with the Turkish Empire in the 1530s, were attempts to reduce this trade, for there was no corresponding French export to Italy.

that led into the interior. Bordeaux and Rochelle exported great coasting trade, connecting the ports at the mouths of the great rivers northern France with the trading metropolis of Antwerp, and was expansion of overseas trade was associated with the rise of the western ports, and it was from them that the French at St Malo, trade was largely in the hands of Spanish merchants settled in the ware, paper and other goods were also sent to Spain. The linen trade particularly benefited the linen industry of Maine and Anjou, directly to the rising markets of Castile through Morlaix, St Malo, and Antwerp, to Catalonia and Valencia through Marseilles, and But the valuable trade was with Spain; indirectly through Rouen the salt, which accounted for most of the tonnage of French exports. to the Biscay coast to lade Brouage salt for the Netherlands and the Malo, as well as Rouen, sent linens to Spain, and great fleets came quantities of wine to England and the Netherlands; Morlaix and St hundreds of vessels a year after mid-century. There was a large were turning particularly to the Newfoundland fishery, sending mandy and Brittany had old-established fisheries, and after 1520 Italian and Spanish commercial houses. The small ports of Norin fact a satellite of that city, with its business carried on largely by western ports. On the channel coast Rouen connected Paris and niques. Nantes and Bordeaux learned modern Italian commercial techwhich found its main outlet there; but woollens, corn, woad, iron-Nantes, Bordeaux and Rochelle. This rapidly expanding Spanish Dutch ships carried away the wine, and Dutch and Hanseatic ships Baltic. The bulk trades were largely in foreign hands; English and After the earliest decades of the sixteenth century, however, the

Overseas trade suffered more from war than most sections of the economy. It seems likely that in the early years of the 1560s, before the wars of religion, a trading peak was attained that was only briefly reached again in the early seventeenth century, and then lost until after 1660. The sieges of Rouen and Havre in 1562–3, of Rouen again in 1591–2, and the blockade of Bordeaux in 1592–5, accentuated the trading difficulties that wars in their immediate hinterland created, though the troubles of each particular port brought short surges of prosperity to the others. From the 1570s Moorish piracy in the Mediterranean and Dutch and English competition began to

whittle away the trade of Marseilles. The early seventeenth-century wars hit the ports less directly (though Rochelle underwent a long siege in 1626–7) but they again suffered from the damage done to industry in the north, and from the breach of relations with Spain.

were not doing well, the linen export to Spain showing a falling tariffs of 1664 and 1667, but also proceeded to squeeze out the middle decades most trade and shipping in the west was in Dutch decades of the seventeenth century, by Dutch merchants, and in its mercial life of the western ports were being replaced, in the early trade expanded very rapidly. The Spaniards who had led the comthe old bulk trades from foreigners, and above all because colonial their merchants flourished because Frenchmen took over some of tendency and the Levant trade still in the doldrums. The ports and lead. This is paradoxical in a period in which the main export trades thirty years, with Rochelle, Nantes, St Malo and Bayonne in the total tonnage of French merchant shipping doubled in the next After 1660 the western ports entered a flourishing period. The decree excluded foreign ships from participating in French colonial building and purchasing ships and encouragement for Dutch and Dutch traders and carriers. Shipping was promoted by subsidies for hands. Colbert not only gave France industrial protection by the English shipwrights to practise their craft in France. In 1673 a

At the centre of the new trade expansion was the West Indian of 1689-97, when ports were closed and great numbers of French was the centre for the Newfoundland and St Lawrence fisheries, and this period, with St Malo and Bordeaux some way behind. St Malo trade, of which Rochelle and Nantes were the chief beneficiaries in America, St Malo, whose cod fishery had first given it a close conmented by a brief but splendid burst of direct trade with Spanish ships were captured; but it recovered and after 1702 was supple-France before 1690. Overseas trade was severely set back in the war industry was built up, largely based on this colonial trade growing fast, became prosperous from Europe's growing demand for Atlantic whaling. The French Atlantic ports, their populations penetrating the Pacific; and when Spanish-American trade with nection with Spain, was the centre of this new trade, its ships even exception of Baltic trade, the Dutch had been replaced as carriers for from which the Dutch were excluded; with the single important factured goods to send to the colonies in return. A large shipping for tropical products, and called on French industry for manu-

France received its severe setback in 1713 by the peace treaty that handed French privileges to the English, St Malo rapidly lost the importance it had briefly held. But in France, as in England, this commercial expansion had only a very limited industrial impact; there was an expansion of trade passing through the country, of shipping and of commercial capital rather than of industry.

expanding until after 1680 and then going into a precipitous economic weakness of the second quarter of the seventeenth cenlow level, are associated with depression and stagnation. The one. It is associated with Simiand's application to long historical ology, into a general European crisis—is essentially a price-history into subsistence crises and problems of foreign industrial comdifferent regions of France; the thickly populated north running Moreover, there is only a slender link between the histories of the down to 1730 are on the whole years of recovery in which serious tury was not, however, continued, and the remaining eighty years periods of the theory that falling prices, or prices maintained at a 1730 as one of 'general crisis' - fitted, despite difficulties of chron-The view of French economic history that sees the period 1630decline that was only partially stayed by industrial revival. bounding prosperity, the southern provinces with their economy petition in the 1630s, the Atlantic coast emerging in the 1660s into a brief setbacks were experienced, rather than of overall stagnation.

There were no serious wars on French soil for half a century after 1653. Plague never struck universally after 1655; the last widespread epidemic in 1668–70 was a comparatively mild one, and it then almost disappeared until its last fling at Marseilles in 1720. The decline in corn prices after 1662 suggests that the desperate shortages of the earlier part of the century had been overcome; though there were setbacks in periods of dearth, in northern France in 1678–81 and in the south in 1684–7. The years 1662–90, in fact, saw low food prices, a marked revival in many branches of industry and the establishment of new ones, and an enormous expansion of overseas trade partly based on colonial development.

Once security returned with the ending of the Frondist wars in 1653, slow development had recommenced in agriculture. There was a concentration of wine production for the market on particular areas: Auxerre, Beaune, Orleans, Poitou and Charente distributed their produce widely through France and expanded their vineyards to cope with increased demand. The north-western

region gradually abandoned its inferior wine production for cider. Rapid expansion of the linen and canvas industries after 1660 encouraged peasants in the north-west to reserve more of their land for growing flax to secure a cash revenue. In south-western and central France, new field crops were introduced; of buckwheat – grown on lands that would bear no other cereal – and of maize, which was high yielding and used for fodder, helping to make possible enlarged cattle herds. Similarly in the pastoral areas that served Paris, the introduction of sainfoin and other artificial grasses supported larger herds. Only in a few cases, however, did the turn away from corn to other products involve the extension of mixed farming that would improve corn yields. The convertible husbandry that elsewhere in western Europe was breaking the vicious circle of few animals and low corn yields was rarely adopted in France.

Corn yields remained low according to the available data, though these are scattered and not wholly conclusive. The averages that have been computed are very heavily influenced by the scattering of bad harvests among them; thus the catastrophic years 1643–51 reveal such a mixed bag of influences — war, bad weather, Fronde and plague — that the basic causation is not easily disentangled; and the 'low yield' period 1687–1715 is one in which three or four years' bad harvests pulled down the average levels of more than a quarter of a century in which the return was generally reasonable. It is possible, as some writers suggest, that periods of particular difficulty for French agriculture are related to climatic cycles of thirty-five to forty years' duration; but final judgement on this must be reserved until the existence of such regular short-term climatic movements has been confirmed and explained.

Cereal prices were generally declining from 1662 until the mid1680s, and after that date remained at modest levels in most years,
rising to extraordinary heights in the years 1692-4 and 1709-10.
This was an unfavourable situation for corn production; longsustained low prices discouraged investment in building up large
and efficient cereal farms, while the occasional dearths that temporarily favoured the very large producers were disastrous to small
peasants whose surpluses were wiped out so they had to borrow if
they were to survive. The level of rents was creeping downward for
well over half a century after 1670, giving some relief to those who
cultivated leased lands. Cereal production was undoubtedly being
expanded, for the slow decline of prices was going on alongside a

rising population until 1692; while it seems unlikely that the rise in corn production towards the middle of the eighteenth century could have come about quite unheralded by earlier improvement.

Industrially, the decades after 1660 saw the recovery of rural industries that had been overrun by war, and the building up of selected industrial sectors by government efforts. This received some support from the increased purchasing power, released by cheap food, in the hands of townspeople, and more plentiful marketable surpluses at the disposal of many peasants. Paris was the great consuming centre of France, but never its economic centre of gravity; the latter might have been found in the industrial areas of the north-west set amidst a thick peasant population, or in the Rhône valley; but at the end of the seventeenth century the most rapid economic advance was in the Atlantic ports of St Malo, Nantes, Rochelle and Bordeaux.

industrial unemployment, and this joined with famine and the disaster was not merely rural, for the cutting-off of demand as and 20 per cent of the French died in these two brief periods. The regions, though it did not strike the whole of France. Between 10 three hundred years; that of 1709-10 was equally deadly in many crushing burden on an already weakening agrarian base. The on the rural poor and the peasantry. This new taxation imposed a possibly 15 per cent of national income – and as always most of it fell 1713. Taxation was enormously increased - at its peak absorbing tremendous scale and continuing with only a brief interval until sistence cycle. Then in 1689 came renewed war, pursued on a ing that France had failed to break out completely from the sub-1684-7, threatening the return of general food shortages and showdepression in the south were followed by the deficient harvests of merchants, artisans, lawyers, mariners. The beginnings of agrarian proportion of them townspeople of the west and south-west two hundred thousand people are said to have emigrated, a large tion of the Huguenots in the 1680s, in consequence of which some periods, particularly in the 1690s, and was always hampered; many towns. Overseas trade was stopped by wartime blockade for long migration of rural labourers to bring hardship and pestilence to the people used all their money to buy necessary food created heavy famine disaster of 1692-4 was probably the most destructive in thousands of ships were lost to English and Dutch privateers Post-1660 prosperity received a serious shock with the persecu-

smaller size - far in advance, and had encroached on helds where This held back advance for some years, and prevented the proper and brought about a huge financial and commercial crisis in 1720. attempt to liquidate the legacy of crown debt by means of ingenious French supremacy had once been quite unchallenged. during the seventeenth century. By 1730 it was - allowing for its 1600; it was able to progress more rapidly and uninterruptedly century. England had lagged far behind France, industrially, in development of French banking institutions for more than half a financial manipulation devised by John Law was ahead of its time Even when the wars were over their baleful effects were felt; the

> 14 Capital, Credit
> and Financial Institutions

merce and industry, and the extension of capitalist-wage-earner other is the growing importance of capital-using types of comthan with something preceding or causing this development. The not be pursued here because it is concerned with the response to the century. One is the concept of the 'spirit of capitalism', which will capitalism in the period between the fifteenth and the eighteenth relationships to larger sections of the population. increasing importance of capital in productive relations, rather $M_{
m odern}$ writers have examined two aspects of

much of its utility from having been cleared by human efforts in Provence; and on a more spectacular scale polder-building in tobacco in Virginia, enclosure and ploughing up of pasture in tion of vineyards in Andalusia, clearing of woodland to plant tions. There was heavy investment in the enclosure and preparanew savings, absorbing a very large part of new capital accumulaimprovement of land competed in every year with other uses for which amount to capital investment. It may be convenient to view though it is fully recognized that cleared and cultivated land derives place, land is often treated as something distinct from capital, have particular importance for the pre-industrial age. In the first land as a distinctive form of capital stock; but investment in the England, building of irrigation systems for new smallholdings France, and swamp clearance and irrigation works in St Domingue. Holland, fen drainage in eastern England and south-western There are ambiguities in the economist's view of capital which

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17 France and England in the Eighteenth Century

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period 1600-30 that terminated with the downturn of the midto pass decisively to England. The half century before 1776 was a couple of decades have caused the economic hegemony of Europe overtaking his country; and neither English nor French writers of ordinary change in economic and social life was on the point of a work based on empirical study of the economy of the pre-Adam Smith published his Inquiry into the Nature and Causes of the announced the breaking up of the colonial systems whose origin progress in Europe, but it had in the past come in brief surges as it seventeenth century. There was nothing new in rapid economic to follow 1776. They may better be compared with the expansive prosperity fell far short of the scale of change in England that was acceleration of economic growth and the mounting evidences of 1770, the advance was faster in France than in England. Yet the increase; and it is likely that in the middle decades, from 1730 to century, though these estimates probably overstate the true more than doubled in the first three-quarters of the eighteenth Statistics suggest that both French and English national income and the literature of the time is full of self-congratulatory material period of prosperity and expansion for both France and England the time imagined that an Industrial Revolution would within a industrial age. Adam Smith was not conscious that an extra-Wealth of Nations, laying the foundation of modern economics with and development have been principal themes of this book; and 1776 the American Declaration of Independence

did to France in the eighteenth century. The really new thing was the steep upturn in England in the last quarter of the century, which is outside the period of this book. These concluding chapters will examine the mid-eighteenth century expansion on its own merits; but it is impossible to ignore the great landmark in economic history that looms up immediately beyond the terminal date of 1776. In examining development in the middle decades of the eighteenth century, the questions must be asked whether it exhibits features that explain the great discontinuity of the Industrial Revolution that was about to occur; and whether it reveals the reasons why the Industrial Revolution came to Britain and not to France.

million the French population rose to twenty-six million in 1789 numbers continuing into the nineteenth century, which other demographic history, the explanation of the sustained growth of crisis began to hover once more. The special problem of English of growth matching England's, before the spectre of the subsistence continuous and accelerating; in France there was only a brief phase only some 25 per cent higher than they had been in 1630, and in the recovery to old levels of population; by 1770 the numbers were century. In France the initial growth of the 1720s and 1730s was a population growth towards the middle of the eighteenth century, of 1709-10 before the 1720s; but from a low point of nineteen of war and economic troubles prevented real recovery of the losses in 1771 and eight million before 1791. In France, the prolongation some five and a half million English men and women; their numbers countries did not experience, is beyond the scope of this book. lation in southern and central France. In England growth was rate of growth and presently bringing about some decline of popu-1770s rises in death rate began to appear in some areas, slowing the continued to grow at an accelerating pace into the nineteenth it was some 50 per cent higher than it had been in 1630, and it the 1740s from the highest level that had ever been reached; by 1770 development in England. In England, renewed growth began in movement, to which the French corresponded, and the course of Yet there is a significant difference between the general European after prolonged stagnation, was the common experience of Europe. (including a million in freshly annexed territory). The renewal of had not reached six million in 1751, but they passed seven million 1740s, in France from a trough in the 1720s. In 1690 there had been text of populations that were growing fast; in England from the Rising production and national income must be seen in the consecond quarter of the eighteenth century, as did society as a whole. unlikely that families of the nobility ever suffered from being undersubsistence explanations of population growth in this century. It is expected to produce some rise in birth rates. The factual evidence on argued that on the other side, better subsistence could have been fed; yet they showed the same marked fall in death rates, in the graphic experience of the English peerage throws great doubt on in France, if not in England. However, the well-attested demothis in the eighteenth century is inconclusive, but it had some effect to illness, but famine had long been absent. It has been strongly still died because they were undernourished and unable to stand up problem in its most serious form had long since been solved; people explanation of a lowered death rate. In England the subsistence experience suggests that better feeding was by no means the sole getting back to its early seventeenth-century peak. Yet English demographic disasters that had repeatedly prevented population France in the disappearance after 1709-10 of those extraordinary years' population increase once or twice in every decade; and in the death rate, which in previous centuries had wiped out several both countries in a cutting down of the occasional violent leaps in rate among children - rather than more births. It showed itself in England, was a fall in the death rate - and particularly the death with population growth reaching its fastest rate between 1750 and until 1770 (seriously broken only in 1739-41) and this corresponds century. There was a long run of generally good harvests from 1726 of severe famine that had afflicted France since the late sixteenth associated with improved food supply, ending the recurrent onsets 1770. The chief mechanism of growth in this period, in France as in Renewal of population growth in France seems to be clearly

The basis for the rising prosperity in the middle decades of the eighteenth century lay in the unusual combination of growing populations with an agricultural production that kept pace with their needs. The more spectacular and more frequently commented on industrial expansion was dependent on this, to provide part of its market, to release labour from the land, and to feed the manufacturing populations. In England, improvement of agricultural productivity had long been under way, with rising crop yields per acre, and great diversification and specialization of particular areas. More corn was produced, alongside a rise of animal husbandry. Its conjunction with a century of only slowly rising population after

continuing increase in supplies of meat and dairy produce. cattle for England, this reduction of commons did not prevent bringing into use of more Welsh and Scottish highland to rear counties. Thanks to the improvement of fodder crops and the century, and they began to move upward. This caused a renewed tenures were broken down more easily in the eighteenth century, as 1630 had resulted in the emergence of a food surplus, with low corn up much of the old common and waste, particularly in the eastern production, and the main contribution to it was made by ploughing interest by large farmers and their landlords in expanding corn long-term stability of corn prices that had prevailed for nearly a mid-century, moreover, rising population brought an end to the had been pioneered, and had the resources to introduce them. After was held, had the best opportunities to learn about innovations that The larger farmers, in whose hands an increasing share of the land more acceptable to a government now composed of great landlords. the economic advantages became more apparent and the social costs grow more corn. The obstacles of open-field farming and of peasant grasses, which enabled the land both to carry more stock and to flexible crop rotations embracing roots, legumes and improved after mid-century; their main features were the introduction of more mental improvements continued to spread, at a pace that accelerated more specialized corn producers in the period 1730-50. The fundaprices, culminating in something of an overproduction crisis for the

the climatic cycle, four decades in which years of good harvest away from a society of peasants to one of middling and large farmers employing a little wage labour and producing for the market. reflect, to some extent, the development of the two countries: weather were clustered unusually thickly. These differing emphases French see the good years 1730–70 as essentially a good period in productivity by improvements in methods and organization; the population growth French production was rising to match it. upward in England and Holland, clearly indicating that in an age of ing until 1760–1, more than a decade after they had started to move tivity of French agriculture. Wheat prices were low and still declin-Nevertheless, the years 1730-70 saw a big advance in the produclandlords were attempting to build up larger farms here and there. peasants, with no substantial changes in rural structure, although France, on the other hand, remained essentially a country of poor Writers on English agrarian history explain increases in long-run Change in England was associated with the rapid movement

agricultural improvement was, over a very long period, much more evident in England than in France. Nevertheless, improvement was going on in France; and in particular, the gains of the years of good weather 1726–38 built up peasant resources and enabled some of them to expand their livestock and equipment, so reinforcing the effects of a continuing favourable climate in the next three decades. On the other side, if climatic conditions helped the peasants of northern France, they must have had some influence on the increase of English corn production. In both countries a clustering of years of good harvest weather between 1730 and 1770 supported investment in the land and improvement of methods of cultivation.

French agricultural production leaped forward in this period. Rather dubious overall statistics suggest a doubling of production between 1701–10 and 1781–90; but evidence of improvement of this order of size also comes firmly from the records of yield of tithes in many parts of France. On rented land – which on the eve of the Revolution accounted for over two-thirds of France – rents at least doubled, and in many places tripled, between 1720 and 1780. Yet peasant incomes were rising, because there was some time-lag before the diversion of their income to increased rent took effect.

Landlords had taken little interest in agricultural improvement but a combination of circumstances brought them into it after 1760. A literature of agricultural improvement began to appear in France, and in the 1760s the Physiocrats were drawing attention to the dependence of all incomes on a healthy agriculture. More important, rising corn prices gave an impetus to the ploughing up of fresh land – which in the north meant encroachment on the already very limited commons – and the state, reversing its earlier attitude, encouraged this work from 1761 onward. The enclosure of commons was often the work of landlords, their resources already enhanced by enlarged rent rolls; and their renewal of pressure on the peasantry was a factor in building up the rising peasant discontent that reached a revolutionary pitch in 1789.

Through the period 1730-70, therefore, the French economy was greatly strengthened not only by rising peasant incomes that brought more of them into the market for industrial products but also by the increase in landlord incomes and by the sustained rise in population that a more ample food supply supported. The average peasant remained very poor; but the group that had struggled beyond subsistence level to some modest comfort was enlarged. The growth of landed incomes as a whole was probably faster in

France than in England in the early part of this period, and this was certainly true of the growth of rents. After about 1760, however, the experience of the two countries diverged. In England, the rapid adaptation of capitalist farmers to a rising demand for corn increased its supply and steeply augmented farmers' and landlords' incomes. In France, the efforts of some landlords and their larger tenants made only slow headway, for the tone of French agriculture was still set by a great mass of landowning peasantry, not indeed wholly conservative but adapting itself too slowly. The peasants remained in 1770, as they had been a hundred years earlier, the brake on French economic expansion.

sea, to provide cheaper transport of wool and woollens for the sea to London, than sent out westward through Chester. These sections of the Trent around 1700, and in mid-century Cheshire and Ouse basins carried goods from a huge area down to the during the seventeenth century. In the north, the rivers of the Trent of improvements at difficult points of this system had been made eastern England down to King's Lynn and other ports, and a series seacoast to be laded for London by means of the river systems. of the swollen city of London depended in part on food brought by actively in the eighteenth century, was very important. The supply navigation, beginning in the 1660s but carried on much more could bear the costs of long-distance transport except by watercations to distribute its products. Few major agricultural products their principal function was carrying corn and fodder, relieving purposes; they were designed to get lead from the Pennines to the river improvements were not, of course, wholly for agricultural cheese was more often being carried to the Trent and by river and food came into the Thames by sea, it had been brought down to the river from the upper part of the Thames basin; and while far more France; but even so the improvement of English river systems for where no point was a great distance from the sea, than it was for brought in from outside. The problem was a lesser one for England, were very serious if it was not assured that supplies could easily be ways; and the risks to a region that specialized away from corn Mersey and Dee estuaries, and to open up Midland coalfields. But Yorkshire manufacturing area, to bring Cheshire salt down to the The Great Ouse and its many tributaries carried corn from much of Humber and the sea. Great extensions were made to the navigable Regional specialization in agriculture depended on good communi-

many inland areas of surpluses that had once been hardly saleable, supplying deficit areas more cheaply, and generally levelling down the price differences that corn sales showed at markets in different parts of the country. The further improvements of river navigations in the 1740s and 1760s, and the beginnings of true canal building with the Sankey Navigation of 1757 and the Bridgewater Canal of 1761–7, were prompted chiefly by the need to bring food and raw materials into the rising industrial districts of the north and to the Birmingham area. In the same period, road improvement began to strengthen the links of towns with the waterways and to speed the movement of long-distance passenger traffic.

and Seine, extending into Burgundy and Lorraine. Corn for Lyon summer, and icing was likely to be encountered in some winters. coastwise and up another river, was a tremendously long and costly stretches of one of these rivers to the Atlantic sea coast, and then centre and the south. Moreover, to send goods down the immense heavily populated north was less well served by them than the no more than a hundred miles away. shortage and high prices in one region, whilst supplies were ample phenomenon of seventeenth-century France had been serious foor the rivers many villages were quite isolated, and the regular stretches, alternately of road and river, in the interior. Away from and from Provence up the Loire. But much traffic was along short was carried down the Saône from Franche Comté and Burgundy from a vast area of central and eastern France served by the Loire its corn supply not merely from the surrounding countryside but south-east; its great city and river port was Orleans. Paris secured with Paris and the east, and with the Rhône-Saône basin to the great centre of circulation was the Loire, connected by road links There were tolls everywhere; the river Loire had seventy-five. The business. Drought made sections of the rivers unnavigable in it very remote from the sea. Great rivers cut into it deeply, but the The French problem was far greater, in a larger country, much of

Colbert, who was conscious of the need to assist development of a national market, gave most of his attention to roads. Though his funds were never adequate, it was nevertheless established in France that the creation of a trunk road system was a function of the state rather than of local administration or private enterprise. After 1738 a national plan for roads was gradually implemented, with roads radiating out from Paris to the scaports, frontiers and great towns. Road-building technique reached a high level from the 1750s, and

and the Loing Canal (1724), and the Oise and Somme were connected in 1738. The ultimate alleviation of some of the extremes of with navigable water. pathways that connected most villages with the great trunk roads or good deal to the improvement of waterways. The weak link in and Seine connection was established by the Orleans Canal (1692) the carriage of heavy goods, or to open up remote regions, so its economic impact was limited. The improvement of waterways was of English. Yet it was a road and not a waterway system, built French communications, however, remained the inadequacy of the food shortage, and the improvement of rural incomes, did owe a Seine were improved by embanking and straightening: the Loire areas. In the late seventeenth century, parts of the Loire and the the north, particularly those that supplied Paris and the industrial basin, had little economic value. The important waterways were in in 1681 was completed to link the Mediterranean with the Garonne more modest. The famous and costly Canal des Deux Mers, which reasons; it greatly speeded personal travel but did little to cheapen primarily for strategic and administrative rather than commercial in the third quarter of the century French roads were far in advance

Since the agricultural sector was so large – in eighteenth-century England accounting for some 40–45 per cent of national production, and in France for some 60 per cent – the state of its health had a strong reaction on the industrial sector of the economy. Indeed, modern writers now see in the long-term advance, and the short-term fluctuation of agriculture, an important part of the explanation of English and French economic development in the eighteenth century, and perhaps in the preceding one.

The complicated relationship between agricultural and industrial prosperity is usually simplified by making two general assumptions: that agriculture was overwhelmingly dominated by corn production, and that the demand for corn was very inclastic. The first may serve, though we are conscious that it applies more closely to the densely populated parts of northern France and southern and midland England than to the hilly parts of those countries, and that in England during the first half of the eighteenth century the other produce of the land was being rapidly increased. The second assumption is attested by the wide year-to-year fluctuations in corn prices. Since corn (or its derivatives, flour and bread) was essential to people's lives, they would bid up its price very rapidly if it was

scarce; but since it was the regular and least exciting food, once this necessary demand had been satisfied they spent any money they had left on other foods or on industrial products, so that a surplus of corn would cause its price to fall a very long way. Indeed, beyond the most modest deviations from average, a large corn harvest would actually produce a smaller total cash return to the producer than an average harvest would do; and a long spell of good harvests would actually depress the incomes of large corn producers. Within the limits of these assumptions, the likely consequences of the decades of good harvests that were experienced in the middle of the eighteenth century may be examined.

consumers, and the relative stability of these additional costs predifferences reflect real and important contrasts between the socia society and the way these classes reacted to changing prices. The concerns the patterns of expenditure of various classes within in relation to the total income of all food producers; the other incomes of all those who supplied and served the market for corn, vented bread prices from fluctuating so violently as those of corn. a large part of the final cost of flour and bread bought by most prices could multiply the surpluses to be spent on other things. income on the basic foodstuffs that a modest reduction in corn Moreover, all but the well-to-do spent so large a part of their tural products but on manufactures, services and imported goods of all incomes that were available to be spent not only on agriculfoodstuffs - change in their incomes powerfully influenced the total peasants or farmers, labourers or landlords, carriers or dealers in derived their income from the land in one way or another - as ing, whether by the family or by wage-earners. Since most people and more labour had to be put into harvesting, threshing and carrycomes from cornland; they sold more, at prices that were lowered structure of England and France. estimates in two fields. One is the importance of the combined periods of low or high corn prices, arise from their differing The disagreements among historians over the short-term impact of Transport costs, grinding and baking and traders' margins made up harvest fluctuations, and the more permanent results of long Better harvests changed the incomes of those who derived in-

Assuming that the demand for corn was inelastic, the effect of an abundant supply on the incomes of its producers could range between two extremes. At one end was the large capitalist farmer, employing wage labour to do much of his work, and expecting to

the price, he got something rather than nothing. A period of low to other production. corn prices gave him no adequate inducement to transfer resources was pure gain for him beyond his normal condition - however low in a good year he had surplus corn to sell on the market, and this to meet his family needs, pay his tithe and provide next year's seed; himself or his family. In an average year he produced enough corn labouring for others on their land, or industrial by employment of proceeds of such subsidiary products as grapes, flax or pigs, by own family. His rents and other outgoings were found from the whose main concern was to produce the corn needed to feed his term prospects seemed bad. At the other extreme was the peasant showed in the 1730s. He was, of course, the best equipped of all of good harvests could be disastrous for him, as English experience carrying, caused such a farmer to suffer by a good harvest. A series price, and the greatly increased cost of harvesting, threshing and and a half times as much. However, the very heavy reduction in deal more than twice his normal supply on the market - perhaps two harvest, doubling his normal yield, he would be able to sell a good tithes and his own family consumption. In an exceptionally good sell most of his corn on the market though he kept some for seed farmers to divert resources away from corn production if the long-

intermediate range, together with the really poor subsistence good year, in which the harvest was doubled, he could sell nearly assert that the farming community suffered from the series of good peasants. Those English writers on the eighteenth century who eighteenth century, came from small and modest peasants in this and a very considerable part of English even in the middle of the other produce. Much the greatest part of French rural production, them) the same peasant would get more money for his sales of this cheap corn the demand for other food products would expand and price would prevent his income being raised. Moreover, in a year of five times as much as in the average year, and no conceivable fall in year he would have none to spare and he might go hungry. In a very to sell a quarter of his corn crop as surplus. In a moderately bad Consider, for example, the peasant who in an average year was able must have added to peasant incomes, apart from by-employments. ant to see that, over most of the intermediate range, good crops corn between these two extreme types of producer; but it is importif weather conditions favouring corn had not been harmful to Obviously there was every kind of dependence on the market for

harvests lean too heavily on the experience of the big farmers; even in England the class of cultivators as a whole probably benefited from good harvests. Rural social structures in France and England differed greatly; in England in 1750 – or in 1700 or even 1650 – the admixture of large capitalist farmers was substantial. The English generalization about good harvests is closer to reality, therefore, for England than it is for France. The large farmer was a substantial customer for the products of industry, and a decline in his income would reduce his purchases; but even in England the expansion of peasant incomes might well have counterbalanced this, and in France it certainly did so. However, the smaller peasants – and particularly those in the more remote areas of rural France – would have spent their extra earnings more with the small craftsmen of their own localities than on the produce of the national large-scale industries.

demand, even in England. whether wage-earners made a large contribution to industrial was to buy much more of it. On the whole it seems doubtfu normally so poor and underfed that its reaction to cheaper bread products of the national, large-scale industries. French historians, servants to the second-hand market, than add to the demand for coarse products of local weavers and shoemakers, and the urban on buying more meat. Moreover, rural labourers, and even workers spent on improving the quality of their food supply, and particularly other outlets for their surplus income; later experience suggests that other things, and their total additional demand would be large. indeed, incline to the view that this part of the population was poor to buy the cast-off clothing of the rich that descended through in small-town industry and services, were more likely to buy the increased real income among poor wage-earners was likely to be part of the total national income. Neither in England nor in France demand for industrial goods from this source. However, they had English writers have attached great importance to expansion in bread considerably reduced, the wage-earners could buy more of With incomes at least maintained, and the cost of their flour or there was some increased employment to handle a bigger output. did wages on the land or in industry fall along with food prices; and regular wage-earners, though of course they received only a small Half the population of England, and rather less in France, were What were the effects of lowered corn prices on other incomes?

Much the largest component of income that was in the hands of the rich or relatively well-to-do was in the form of rents of land.

> rising at anything like the pace of those in France. rents into the hands of commercial farmers who would pay the maximum market rent. Before 1760, however, total rents were not transferring inefficiently cultivated lands that had produced low after 1750 it reflected the low prices he was getting for his produce. process of dispossessing smallholders, breaking up open fields, and rental income was rising moderately, however, with the continuing Maximum commercial rents had some tendency to fall. The total of of the enterprising, market-oriented farmer to pay; and this might farmer would pay rather than by peasant demand; and until well maximum level of rents was set by what the large commercial well decline in a period of low corn prices. In England, in fact, the trial demand in France. The other influence on rents was the ability probably the most powerful influence on raising the level of induspresently managed to push rents up very substantially. Only a few more, until higher rents ate into their surpluses; and their landlords corn market. In France in this period agricultural production was livings for their families, not the right to produce for a competitive 1720s and 1770s despite the lowness of corn prices. Men wanted competitively, and this was still happening in France between the under two different influences. An expanding peasant population, incomes - the doubling and more of rents in half a century - was big specializing farmers suffered. The improvement in landlord lower prices; most peasants gained by eating better yet selling greatly expanded; a little of this gain went to the consumers in with younger sons seeking landholdings, had always bid up rents The level of rents, when they could be freely negotiated, moved

In both countries there was a considerable stratum of urban population as well as of middling peasants well above the level of the very poor. Many of them derived their income ultimately from land; the modest minor beneficiaries of the income of great estates—cousins, nieces, aunts of the minor aristocracy—living in provincial towns. There was a great proliferation of dealers, carriers and shopkeepers with the widening of market areas, and industrial producers and craftsmen were multiplying. The rise of these middle-income groups is a conspicuous feature of English social development in the eighteenth century, and it is evident, if not on the same scale, in France. If the rich landowners, traders, financiers and officials spent much of their income on services and luxury craft products, and the poor bought from local craftsmen, these middle strata accounted for a great demand for produce of good quality

that was produced reasonably cheaply. The typical large-scale industries of the eighteenth century, the great rural textile industries, turned out great quantities of woollen and linen cloth, of stockings, sheets and blankets, to meet these middling demands. The spending of such people was important to the metallurgical industries, making cutlery, locks, metal ornaments and buttons; and to such industries as hat-making, soap-making, paper-making and many others. In these families in the middle ranks of society, spending patterns could be markedly influenced by the cheapening of corn; the very prosperous craftsman or shopkeeper, the low-ranking official or small professional man making £100 a year, might in a normal year spend a fifth of this on breadstuffs for his family.

to some expansion of investment. there was a multiplier effect at work, whose influence even extended and dairy farmers, artisans and wage-earners and their employers craft products, reinforced the purchasing power of cattle-raisers better quality and more varied kinds, and for manufactures and the raising of real incomes. The increased demand for foods or ing power was released by the cheapening of basic foodstuffs and gether with the expansion of landlord incomes in France. Purchaschasing power of the middle incomes in England, and by this toeffect on industrial expansion was exerted by the increased puradequately fed and had some small surpluses. The most powerful was obviously a better society in which the mass of the people were a whole; and looking beyond these narrow economic arguments it that good harvests were good for industry and for the economy as that their surpluses were always negligible. All agree, however, hardly affected the situation for they lived so close to subsistence industrial goods, and so could their landlords, while wage-earners For the French writers, who see farming as overwhelmingly industry. For some English historians, the good harvests and low Though views differ on the effect of increasing agricultural productivity on the income and spending of different social classes, increasing rents; all but the poorest peasants could buy more peasant farming, good harvests indicated higher farm incomes and urban demands outweighed the fall in rural producers' spending. was expanded because the rise of wage-earners' incomes and other farmers' and landlords' incomes; yet they consider industrial demand corn prices of the mid-eighteenth century indicate a reduction in they lead to the same general conclusion about the overall effect on

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expanding fast; English industrial growth accelerated in the early 1730s, was slowed during the long war of 1739-48, and burst scene so completely as they had done in preceding centuries. of growth is hard to establish with any precision, for it came largely decades its acceleration was possibly stronger in France. The extent growth was at much the same pace in both countries; in the middle forward rapidly in the interval of peace that followed. Over the first industries continued to expand, they ceased to dominate the industrial cannot be very usefully aggregated. Though both woollen and linen through the expansion of a range of minor industries whose statistics three-quarters of the eighteenth century, taken as a whole, industrial by wartime conditions. After 1730 French industry was again was less vigorous and was very seriously checked by the wars and went through a phase of some industrial growth; but in France it industry continued to move ahead rapidly and were even stimulated famines of 1689-1713, while in England several branches of In the late seventeenth century both England and France

Diversification away from the old textile industry was particularly marked in Britain, but even here the woollen industry was far from stagnant. The woollen and worsted industry of West Yorkshire was one of the most actively growing sectors of the economy. Its counterpart, however, was the decline of other producing areas: Devon, which had been the leading producer of worsteds in the first

groupings and their relation to state policy and economic behaviour. exhaustive survey of quantities of trade and methods of trading; and Rome, 1955) supplements his work referred to in chapter 6; A. E. interesting material, and C. Wilson examines the 'Decline of the Nether-1969). Early Dutch development is touched on in M. Postan's chapter useful general study is C. R. Boxer, The Dutch Seaborne Empire (London, Factors in Early Dutch Capitalism (The Hague, 1967) analyses religious to prominence in the seventeenth century. J. C. Riermesma, Religious 1933-9) is an excellent study of the branch of textile industry that came N. W. Posthumus, Geschiednis van de Leidsche Lakenindustrie (The Hague, Christensen, Dutch Trade to the Baltic about 1600 (The Hague, 1941) is an in the Low Countries, 1600-1800' (Int. Congress of Historical Sciences, lands' in Econ. Hist. Rev. (8, 1938). B. H. Slicher van Bath's 'Agriculture Dollinger, The German Hansa (London, 1970). V. Barbour, Capitalism in in the Cambridge Economic History of Europe, vol. II (1952) and P. 1949-55). The literature in languages other than Dutch is very scanty. A Amsterdam in the Seventeenth Century (Baltimore, 1950) contains much

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