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A Critique of Political Economy

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## Chapter 10: The Working Day

## I. THE LIMITS OF THE WORKING DAY

We began with the assumption that labour-power is bought and sold at its value. Its value, like that of all other commodities, is determined by the labour-time necessary to produce it. If it takes 6 hours to produce the average daily means of subsistence of the worker, he must work an average of 6 hours a day to produce his daily labour-power, or to reproduce the value received as a result of its sale. The necessary part of his working day amounts to 6 hours, and is therefore, other things being equal, a given quantity. But with this the extent of the working day itself is not yet given.

Let us assume that a line A ---- B represents the length of the necessary labour-time, say 6 hours. If the labour is prolonged beyond AB by 1, 3 or 6 hours, we get three other lines:

Working day I: A----B-C
Working day II: A----B---C
Working day III: A----B----C

which represent three different working days of 7, 9 and 12 hours. The extension BC of the line AB represents the length of the surplus labour. As the working day is AB + BC, or AC, it varies with the variable magnitude BC. Since AB is constant, the ratio of BC to AB can always be calculated. In working day I, it is one-sixth, in working day III, three-sixths, in working day III, six-sixths of AB. Since, further, the ratio of surplus labour-time to necessary labour-time determines the rate of surplus-value, the latter is given by the ratio of BC to AB. It amounts in the three different other hand, the rate of surplus-value alone would not give us the extent of the working day. If this rate were 100 per cent, the working day might be of 8, 10, 12 or more hours. It would indicate that

the two constituent parts of the working day, necessary more time and surplus labour-time, were equal in extent, but not how the following two constituent parts was.

Ing each of these two constituent parts was.

The working day is thus not a constant, but a variable quantity. One of its parts, certainly, is determined by the labour-time required for the reproduction of the labour-power of the worker himself. But its total amount varies with the duration of the surplus labour. The working day is therefore capable of being deter-

mined, but in and for itself indeterminate.1

form only a part of the working day; the working day can never be reduced to this minimum. On the other hand, the working day capitalist mode of production, however, this necessary labour can worker must necessarily work for his own maintenance. Under the we have a minimum limit, i.e. the part of the day in which the make the extension line BC, or the surplus labour, equal to zero, minimum limit, however, cannot be determined. Of course, if we it can, on the other hand, vary only within certain limits. The does have a maximum limit. It cannot be prolonged beyond a certain point. This maximum limit is conditioned by two things. a day. During part of the day the vital force must rest, sleep; during another part the man has to satisfy other physical needs, to of the natural day a man can only expend a certain quantity of his vital force. Similarly, a horse can work regularly for only. 8 hours First by the physical limits to labour-power. Within the 24 hours aries both physical and social. But these limiting conditions are of and social requirements, and the extent and the number of these obstacles. The worker needs time in which to satisfy his intellectual limitations, the extension of the working day encounters moral feed, wash and clothe himself. Besides these purely physical requirements is conditioned by the general level of civilization. Although the working day is not a fixed but a fluid quantity, a very elastic nature, and allow a tremendous amount of latitude. The length of the working day therefore fluctuates within bound-So we find working days of many different lengths, of 8, 10, 12, 14, 16 and 18 hours.

The capitalist has bought the labour-power at its daily value. The use-value of the labour-power belongs to him throughout one working day. He has thus acquired the right to make the

<sup>1. &#</sup>x27;A day's labour is vague, it may be long or short' (An Essay on Trade and Commerce, Containing Observations on Taxes, etc., London, 1770, p. 73).

worker work for him during one day. But what is a working day?<sup>2</sup> At all events, it is less than a natural day. How much less? The capitalist has his own views of this point of no return, the necessary limit of the working day. As a capitalist, he is only capital personified. His soul is the soul of capital. But capital has one sole driving force, the drive to valorize itself, to create surplus-value, to make its constant part, the means of production, absorb the greatest possible amount of surplus labour.<sup>3</sup> Capital is dead labour which, vampire-like, lives only by sucking living labour, and lives the more, the more labour it sucks. The time during which the worker works is the time during which the capitalist consumes the labour-power he has bought from him.<sup>4</sup> If the worker consumes his disposable time for himself, he robs the capitalist.<sup>5</sup>

The capitalist therefore takes his stand on the law of commodity-exchange. Like all other buyers, he seeks to extract the maximum possible benefit from the use-value of his commodity. Suddenly, however, there arises the voice of the worker, which had previously been stifled in the sound and fury of the production process:

'The commodity I have sold you differs from the ordinary crowd of commodities in that its use creates value, a greater value than it costs. That is why you bought it. What appears on your side as the valorization of capital is on my side an excess expenditure of labour-power. You and I know on the market only one

2. This question is far more important than the celebrated question of Sir Robert Peel to the Birmingham Chamber of Commerce: What is a pound? Peel was able to pose this question only because he was as much in the dark about the nature of money as the 'little shilling men 's of Birmingham.

3. 'It is the aim of the capitalist to obtain with his expended capital the greatest possible quantity of labour (d'obtenir du capital dépensé la plus forte sonnne de travail possible)' (J. G. Courcelle-Seneuil, Traité théorique et pratique des entreprises industrielles, 2nd edn, Paris, 1857, p. 63).

4. 'An hour's labour lost in a day is a prodigious injury to a commercial State... There is a very great consumption of luxuries among the labouring poor of this kingdom: particularly among the manufacturing populace, by which they also consume their time, the most fatal of consumptions' (An Essay on Trade and Commerce, etc., pp. 47, 153).

 If the free worker rests for an instant, the base and petty management which watches over him with wary eyes claims he is stealing from it' (N. Linguet, Théorie des lois civiles, etc., London, 1767, Vol. 2, p. 466).

\*The followers of the banker and Radical M.P. Thomas Attwood (1783-1856) of Birmingham, so called because they advocated the repayment of creditors in shillings of a reduced gold content, as a way of solving the currency problems incurred at the end of the Napoleonic Wars. See A Contribution to the Critique of Political Economy, English edition, pp. 81-3.

preaching to me the gospel of "saving" and "abstinence". Very strength, health and freshness as today. You are constantly only as much of it as is compatible with its normal duration and my sole wealth, my labour-power, and abstain from wasting it well! Like a sensible, thrifty owner of property I will husband I must be able to work tomorrow with the same normal amount of to sell it again. Apart from natural deterioration through age etc., day, I must be able to reproduce it every day, thus allowing myself fore belongs to you. But by means of the price you pay for it every the buyer who acquires it. The use of my daily labour-power therethe commodity belongs not to the seller who parts with it, but to law, that of the exchange of commodities. And the consumption of can live (while doing a reasonable amount of work) is 30 years, the different things. If the average length of time an average worker stance of labour. Using my labour and despoiling it are quite I can restore in three. What you gain in labour, I lose in the subyou may in one day use up a quantity of labour-power greater than healthy development. By an unlimited extension of the working day, foolishly. Every day I will spend, set in motion, transfer into labour value of my labour-power, which you pay me from day to day, is  $365 \times 30$  or 10,950 of its total value. But if you consume it in 10

i.e. only one-third of its daily value, and you therefore rob me every day of two-thirds of the value of my commodity. You pay me for one day's labour-power, while you use three days of it. That is against our contract and the law of commodity exchange. I therefore demand a working day of normal length, and I demand it without any appeal to your heart, for in money matters sentiment is out of place. You may be a model citizen, perhaps a member of the R.S.P.C.A., and you may be in the odour of sanctity as well; but the thing you represent when you come face to face with me has no heart in its breast. What seems to throb there is my own heartbeat. I demand a normal working day because, like every other seller, I demand the value of my commodity."

6. During the great strike of the London building workers [1859-60] for the reduction of the working day to 9 hours, their committee published a manifesto that contained, to some extent, the plea of our worker. The manifesto alludes, not without irony, to the fact that the greatest profit-

capital, i.e. the class of capitalists, and collective labour, i.e. the struggle over the limits of that day, a struggle between collective equally bearing the seal of the law of exchange. Between equal rights, force decides. Hence, in the history of capitalist production, wishes to reduce the working day to a particular normal length. chaser, and the worker maintains his right as a seller when he the commodity sold implies a limit to its consumption by the purworking days out of one. On the other hand, the peculiar nature of working day as long as possible, and, where possible, to make two maintains his rights as a purchaser when he tries to make the strictions, the nature of commodity exchange itself imposes no working class. the establishment of a norm for the working day presents itself as a There is here therefore an antinomy, of right against right, both limit to the working day, no limit to surplus labour. The capitalist We see then that, leaving aside certain extremely elastic re-

# 2. THE VORACIOUS APPETITE FOR SURPLUS LABOUR. MANUFACTURER AND BOYAR

Capital did not invent surplus labour. Wherever a part of society possesses the monopoly of the means of production, the worker, free or unfree, must add to the labour-time necessary for his own maintenance an extra quantity of labour-time in order to produce the means of subsistence for the owner of the means of production, whether this proprietor be an Athenian  $\kappa\alpha\lambda\delta\varsigma$ ,  $\kappa^2\alpha\gamma\alpha\theta\delta\varsigma$ , an Etruscan theocrat, a civis romanus, a Norman baron, an American slave-owner, a Wallachian boyar, a modern landlord or a capital-

monger among the building masters, a certain Sir M. Peto, was in the 'odour of sanctity'.\* (The same Peto, after 1867, came to an end à la Strousberg.)†

7. 'Those who labour ... in reality feed both the pensioners, called the rich, and themselves' (Edmund Burke, op. cit., pp. 2-3).

\*Peto was a Baptist, a benefactor to various chapels, and the author in 1842 of a pamphlet entitled *Divine Support in Death*.

†The bankruptcy of Peto's firm was in fact in 1866; the allusion here is to the bankruptcy of the German financier and speculator B. H. Strousberg in St Petersburg in 1875 and his subsequent expulsion from Russia after being charged with fraud.

where the use-value rather than the exchange-value of the product quity. But as soon as peoples whose production still moves within work here is forced labour until death. One only needs to read obtain exchange-value in its independent monetary shape, i.e. in antiquity over-work becomes frightful only when the aim is to labour will arise from the character of production itself. Hence in confined set of needs, and that no boundless thirst for surplus predominates, surplus labour will be restricted by a more or less ist.8 It is however clear that in any economic formation of society onto the barbaric horrors of slavery, serfdom etc. Hence the Negro whereby the sale of their products for export develops into their world market dominated by the capitalist mode of production, the lower forms of slave-labour, the corvée, etc. are drawn into a Diodorus Siculus.9 Nevertheless, these are exceptions in antithe production of gold and silver. The recognized form of overthose states, the over-working of the Negro, and sometimes the in proportion as the export of cotton became of vital interest to directed to the satisfaction of immediate local requirements. But moderately patriarchal character as long as production was chiefly labour in the southern states of the American Union preserved a principal interest, the civilized horrors of over-work are grafted of obtaining from him a certain quantity of useful products, but consumption of his life in seven years of labour, became a factor of the corvée, in the Danubian Principalities for instance. rather of the production of surplus-value itself. The same is true in a calculated and calculating system. It was no longer a question

The comparison of the appetite for surplus labour in the Danubian Principalities with the same appetite as found in English factories has a special interest, because the *corvée* presents surplus labour in an independent and immediately perceptible form.

Suppose the working day consists of 6 hours of necessary

8. Niebuhr remarks very naïvely in his Roman History: 'It is evident that monuments like those of the Etruscans, which astound us even in their ruins, presuppose lords and vassals in small (!) states.' Sismondi, with deeper insight, says that 'Brussels lace' presupposes wage-lords and wage-slaves.

9. 'One cannot see these unfortunates' (in the gold mines between Egypt, Ethiopia and Arabia) 'who are unable even to keep their bodies clean or to clothe their nakedness, without pitying their miserable lot. There is no indulgence, no forbearance for the sick, the feeble, the aged, or for feminine weaknesses. All, forced by blows, must work on until death puts an end to their sufferings and their distress' (Diodorus Siculus, Historische Bibliothek, Bk III, Ch. 13).

<sup>\*&#</sup>x27;Handsome and good': ancient Greek expression for an aristocrat.

surplus labour appears in the drive for an unlimited extension of equivalent to the worker himself, whether the surplus labour is direct hunt for days of corvée. 10 the working day, while in the boyar it appears more simply in a called corvée or wage-labour. But in the capitalist the appetite for days' surplus labour in the week remain three days that yield no quantitative relation of surplus labour to necessary labour. Three necessary labour. However, this clearly alters nothing in the In the corvée the surplus labour is accurately marked off from the own field, the other on the seignorial estate. Both parts of the labour-time thus exist independently, side by side with each other. his surplus labour on behalf of the boyar. The one he does on his the corvée. The necessary labour which the Wallachian peasant the capitalist 6×6 or 36 hours of surplus labour every week. It is performs for his own maintenance is distinctly marked off from himself and 30 seconds for the capitalist, etc. It is otherwise with visible. Surplus labour and necessary labour are mingled toinstance that in every minute the worker works 30 seconds for gether. I can therefore express the same relation by saying for labour and 6 hours of surplus labour. Then the free worker gives in the week gratis for the capitalist. But this fact is not directly the same as if he worked 3 days in the week for himself and 3 days

arose, inversely, from the corvée. 11 This is what took place in the most important tribute paid to the ruling class. Where this was in kind and other appurtenances of serfdom, but it formed the the case, the corvée rarely arose from serfdom; instead serfdom In the Danubian Principalities the corvée was linked with rents

the transformations which have occurred since the Crimean War.\* 10. What follows refers to the situation in the Romanian provinces before

peasants of Schleswig-Holstein followed them. (Maurer, Fronhöfe, Vol. Meitzen, Der Boden des Preussischen Staates; Hanssen, Leibeigenschaft and Silesia were degraded to the condition of serfs. Soon afterwards the free of the sixteenth century, the peasants of East Prussia, Brandenburg, Pomerania conquered South German peasants again enslaved, but also, after the middle of the nobility in the Peasants' War put an end to that. Not only were the and East Prussia were even legally acknowledged as free men. The victory in practice free. The German colonists in Brandenburg, Pomerania, Silesia certain obligations in the form of produce and labour, was otherwise at least Schleswig-Holstein. Germany, and especially of Prussia east of the Elbe. In the fifteenth century the German peasant was nearly everywhere a man who, though subject to 11. [Note by Engels to the third German edition:] This is also true of

(see p. 271, last note). \*The agrarian reforms of the 1860s, which included the abolition of serfdom

> owed to it. The labour of the free peasants on their communal usurped the communal land, and along with this the obligations expenses. In the course of time military and clerical dignitaries state treasury to cover the costs of war, religion and other communal against bad harvests and other misfortunes, partly as a kind of products of this common labour served partly as a reserve fund part - the ager publicus - was cultivated by them in common. The as free private property by the members of the commune, another Slav or Indian form. Part of the land was cultivated independently based on communal property, but not communal property in its Romanian provinces. Their original mode of production was conquered the magnates of the Danubian Principalities and earned relationship existing in point of fact, though not legally, until had taken that land. This corvée soon developed into a servile land was transformed into corvée performed for the thieves who the applause of cretinous liberals throughout Europe. dictated by the boyars themselves. Thus, at one stroke, Russia both the Russian General Kiselev proclaimed in 1831, was of course the pretext of abolishing serfdom.\* The code of the corvée, which Russia, the liberator of the world, raised it to the level of a law on

is called, every Wallachian peasant owes to the so-called landlord, working day is not taken in its ordinary sense, but as the working quirements. In proportion to the size of its population, every the so-called jobbagio, service due to the lord for emergency reproduct of the manual labour of 36 days, by 1 day of field labour Russian irony, that by 12 working days one must understand the hours. Therefore the Règlement itself declares, dryly and with true that average daily product is determined in such a sly manner day necessary to the production of an average daily product; and in the year. However, with deep insight into political economy, the labour, (3) I day of wood-carrying. Taken together, this is 14 days the following: (1) 12 days of labour in general, (2) 1 day of field besides a mass of payments in kind, which are specified in detail. village has to furnish annually a definite contingent to the jobbagio. The sum total is now 42 days of corvée. To this had to be added 3 days, and by 1 day of wood-carrying, similarly, 3 times as much than even a Cyclops would be unable to finish the job within 24 This additional corvée is estimated at 14 days for each Wallachian According to the Règlement organique, as this code of the corvée

and 1834. General P. D. Kiselev was the viceroy \*The Danubian Principalities were under Russian occupation between 1828

to 365 days in the year. 12 month of May and ends in the month of October. For Moldavia plantations. The legal day's work for some kinds of agricultural only the legally prescribed corvée. And in a spirit yet more 'liberal' the regulations are even stricter. 'The 12 corvée days of the labour can be interpreted in such a way that the day begins in the require twice as much time for this work, particularly on the maize arranged that a portion of it must fall on the next day. In one day, rate of surplus-value than that which regulates the work of the every year. But because of the severe climate the agricultural year Règlement organique,' cried a boyar, drunk with victory, 'amount for instance, an amount of land must be weeded which would the nominal day's work of each of the 56 corvée days is again so to facilitate its own evasion. After it has made 56 days out of 12, than the English Factory Acts, the Règlement organique was able English agricultural labourer or factory worker. This is, however, the necessary labour 56/84, or 663 per cent, gives a much smaller do not count. 140 working days remain. The ratio of the corvée to in Wallachia numbers only 210 days, of which 40 for Sundays and peasant. Thus the prescribed corvée amounts to 56 working days holidays, and 30 on an average for bad weather, together 70 days,

epidemics speak as clearly on this point as the diminishing seized hold of the vital force of the nation at its roots. Periodical profit that in the one case exhausted the soil had in the other case manuring of English fields with guano. The same blind desire for ening advance of the working-class movement, the limiting of ruled by capitalist and landlord. Apart from the daily more threatparagraph legalized, the English Factory Acts are the negative expositive expression of the appetite for surplus labour which every military standard of height in France and Germany. 13 factory labour was dictated by the same necessity as forced the limiting the working day on the authority of the state, but a state towards a limitless draining away of labour-power by forcibly pression of the same appetite. These laws curb capital's drive If the Règlement organique of the Danubian Principalities was a

sociale des principautés danubiennes, Paris, 1855 [pp. 304 ff.] 12 Further details are to be found in É. Regnault's Histoire politique et

6 a.m. to 6 p.m., including half an hour for breakfast, and an hour for the average working day, i.e. for the first five days 12 hours from are appointed, factory inspectors, directly under the Home Sectracted for breakfast. 60 working hours are left, 102 for each of Saturday, from 6 a.m. to 2 p.m., of which half an hour is subof the voracious appetite of the capitalists for surplus labour. Parliament. They therefore provide regular and official statistics retary, and their reports are published every six months by order of the first 5 days, 7½ for the last.14 Certain guardians of these laws for dinner, thus leaving 101 working hours, and 8 hours for The Factory Act of 1850 now in force (1867) allows 10 hours

fraudulent mill-owner begins work a quarter of an hour (some-Let us listen for a moment to the factory inspectors. 15 'The

either by physical or by social conditions. In all European countries in which As for man, his bodily height diminishes if his due growth is interfered with organic beings is provided by their exceeding the medium size of their kind. 13. 'In general and within certain limits, evidence of the prosperity of

average over nine years, in Prussia 716 out of every 1,000 conscripts were account of deficient height or bodily weakness. The military standard of height on an average in France more than half of all the conscripts are rejected on in 1818 (law of 10 March), 157 cm.; by the law of 21 March 1832, 156 cm.; fitness for military service, has diminished since it was introduced. Before the it was 156 men short' (J. von Liebig, Die Chemie in ihrer Anwendung auf of bodily defects . . . Berlin in 1858 could not provide its contingent of recruits; unfit for military service, 317 because of deficiency in height, and 399 because in Saxony in 1780 was 178 cm. It is now 155. In Prussia it is 157. According to revolution of 1789 the minimum for the infantry in France was 165 cm.; there is conscription, the medium height of adult men, and in general their Agrikultur und Physiologie, 7th edn, Vol. 1, pp. 117-18). Dr Meyer's statement of 9 May 1862 in the Bayrische Zeitung, taking an

appeared since 1845, and how wonderfully he painted the circumstances in duction is shown by the Factory Reports, Reports on Mines, etc. which have industry in England to 1845, concerning which I would refer the reader to representative of capitalist production, and is the only country to possess a my examples chiefly from the free-trade period after 1848, that paradisiac age remain unintroduced up to the present. Here then, little or no alteration had in which the Factory Acts had not, up to 1862, been introduced, and in part twenty years later (1863-7). These deal especially with the branches of industry reports of the Children's Employment Commission, published eighteen to detail is seen on the most superficial comparison of his work with the official Die Lage der arbeitenden Klasse in England, by Friedrich Engels, Leipzig, 1845 continuous set of official statistics relating to the matters we are considering note that England figures in the foreground here because it is the classic blatantly and with such a total neglect of economic science. In passing, let us been enforced by authority in the conditions depicted by Engels. I have taken 1969]. How well Engels understood the spirit of the capitalist mode of pro-English translation: The Condition of the Working Class in England, Panther, whose commercial travellers spin such fabulous tales to the Germans, so 15. I only touch here and there on the period from the beginning of modern 14. The history of the Factory Act of 1850 will be found later in this chapter

times more, sometimes less) before 6 a.m., and leaves off a quarter of an hour (sometimes more, sometimes less) after 6 p.m. He takes 5 minutes from the beginning and from the end of the half hour nominally allowed for breakfast, and 10 minutes at the beginning and end of the hour nominally allowed for dinner. He works for a quarter of an hour (sometimes more, sometimes less) after 2 p.m. on Saturday. Thus his gain is:

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Weekly total		Auter 2 p.m.	After 2 :-	At bearing before 6 a.m.	Total for five days		At uniner time	At dimenting	At best of the	Africa Carm.
340 minutes	40 minutes	15 minutes	10 minutes	15 minutes	300 minutes	60 minutes	20 minutes	10 minutes	15 minutes	15 minutes

Or 5 hours and 40 minutes weekly, which, multiplied by 50 working weeks in the year (allowing two for holidays and occasional stoppages), is equal to 27 working days. 16

'Five minutes a day's increased work, multiplied by weeks, are equal to two and a half days of produce in the year.'17 'An additional hour a day gained by small instalments before 6 a.m., after 6 p.m., and at the beginning and end of the times nominally fixed for meals, is nearly equivalent to working 13 months in the year.'18

Crises during which production is interrupted and the factories work 'short time', i.e. for only a part of the week, naturally do not affect the tendency to extend the working day. The less business there is, the more profit has to be made on the business done. The less time spent in work, the more of that time has to be turned into surplus labour-time. This is how the factory inspectors report on the period of crisis from 1857 to 1858:

'It may seem inconsistent that there should be any over-working at a time when trade is so bad; but that very badness leads to the transgression by unscrupulous men, they get the extra profit of it... In the last half year,' says Leonard Horner, '122 mills in my district have been given up; 143 were found standing, yet overwork is continued beyond the legal hours.' For a great part of the time,' says Mr Howell, 'owing to the depression of trade, many factories were altogether closed, and a still greater number were working short time. I continue, however, to receive about the usual number of complaints that half, or three-quarters of an hour in the day, are snatched from the workers by encroaching upon the times professedly allowed for rest and refreshment.' <sup>20</sup>

The same phenomenon was repeated on a smaller scale during the frightful cotton crisis from 1861 to 1865.<sup>21</sup> 'It is sometimes advanced by way of excuse, when persons are found at work in a factory, either at a meal hour, or at some illegal time, that they will not leave the mill at the appointed hour, and that compulsion is necessary to force them to cease work' (cleaning their machinery, etc.) 'especially on Saturday afternoons. But, if the hands remain in a factory after the machinery has ceased to revolve... they would not have been so employed if sufficient time had been set apart specially for cleaning, etc., either before 6 a.m. or before 2 p.m. on Saturday afternoons.<sup>22</sup>

<sup>16. &#</sup>x27;Suggestions, etc., by Mr L. Horner, Inspector of Factories', in Factories Regulation Acts. Ordered by the House of Commons to be printed, 9 August 1859, pp. 4-5.

Reports of the Inspectors of Factories for the Half Year, October 1856,
 p. 35.

<sup>18.</sup> Reports, etc. . . . 30 April 1858, p. 9.

<sup>19.</sup> ibid., p. 10. 20. ibid., p. 25.

<sup>21.</sup> Reports, etc., for the Half Year ending 30 April 1861. See Appendix No. 2; Reports, etc., 31 October 1862, pp. 7, 52, 53. Violations of the Acts became more numerous during the last half of the year 1863. Cf. Reports, etc., ending 31 October 1863, p. 7.

<sup>22.</sup> Reports, etc., 31 October 1860, p. 23. With what fanaticism, according to the evidence of manufacturers given in courts of law, their hands set themselves against every interruption in factory labour, is shown by the following curious incident. At the beginning of June 1836, information reached the magistrates of Dewsbury (Yorkshire) that the owners of eight large mills in the neighbourhood of Batley had violated the Factory Act. Some of these gentlemen were accused of having kept five boys between 12 and 15 years of age at work from 6 a.m. on Friday to 4 p.m. on the following Saturday, not allowing them any respite except for meals and one hour for sleep at midnight. And these children had to do this caseless labour of 30 hours in the 'shoddy-hole', the name for the hole where the woollen rags are pulled to pieces, and where a dense atmosphere of dust, shreds, etc. forces even the adult worker to cover his mouth continually with handskerchiefs for the protection of his lungs! The accused gentlemen affirmed in lieu of taking an oath – as Quakers they were too scrupulously religious to take an oath – that they had, in their

insuperable difficulties to the inspectors making out a case.'24 multiplication of small thefts in the course of the day, there are should be detected there will still be a considerable balance of who have been convicted have had to pay, they find that if they resist; they calculate upon the chance of not being found out; and gain ... when they see the small amount of penalty and costs, which those Act) 'appears to be, to many, a greater temptation than they can 'The profit to be gained by it' (over-working in violation of the '23 'In cases where the additional time is gained by a

meal-times',27 the technical language of the workers, 'nibbling and cribbling at 'petty pilferings of minutes',25 'snatching a few minutes'26 or, in recreation times are also described by the factory inspectors as These 'small thefts' of capital from the workers' meal-times and

Moments are the elements of profit.'29 in the day over-time, you put one thousand a year in my pocket. 28 informed by a highly respectable master) to work only ten minutes value by surplus labour is no secret. 'If you allow me (as I was It is evident that in this atmosphere the formation of surplus-

designation of the workers who work full time as 'full-timers', and 'half-timers'. 30 The worker is here nothing more than personified the children under 13 who are only allowed to work six hours as In this connection, nothing is more characteristic than the

sleep, but the obstinate children absolutely would not go to bed. The Quaker gentlemen were fined £20. Dryden anticipated the attitude of these Quakers: great compassion for the unhappy children, allowed them four hours for

Fox full fraught in seeming sanctity, And durst not sin! before he said his prayer! \*\* That look'd like Lent, and had the holy leer, That feared an oath, but like the devil would lie,

labour-time. All individual distinctions are obliterated in that between 'full-timers' and 'half-timers'.

### 3. BRANCHES OF ENGLISH INDUSTRY WITHOUT LEGAL LIMITS TO EXPLOITATION

ing to an English bourgeois economist, by the cruelties of the Spaniards to the American red-skins,<sup>31</sup> caused it at last to be labour is either still unfettered even now, or was so yesterday. at certain branches of production in which the exploitation of bound by the chains of legal regulations. Now let us cast a glance an area where capital's monstrous outrages, unsurpassed, accordworking day, and the werewolf-like hunger for surplus labour, in So far, we have observed the drive towards the extension of the

sion . . . The system, as the Rev. Montagu Valpy describes it, is manufacturer, should stand forward and protest against discussinking into a stone-like torpor, utterly horrible to contemplate . . . dwindling, their faces whitening, and their humanity absolutely morning and compelled to work for a bare subsistence until ten, suffering among that portion of the population connected with on 14 January 1860, that there was an amount of privation and spiritually . . . What can be thought of a town which holds a public one of unmitigated slavery, socially, physically, morally, and We are not surprised, he went on, that Mr Mallett, or any other eleven, or twelve at night, their limbs wearing away, their frames from their squalid beds at two, three, or four o'clock in the chairman of a meeting held at the Assembly Rooms, Nottingham, their lash, and their barter of human flesh more detestable than diminished to eighteen hours a day? . . . We declaim against the meeting to petition that the period of labour for men shall be the civilized world . . . Children of nine or ten years are dragged the lace trade, unknown in other parts of the kingdom, indeed, in Virginian and Carolinian cotton-planters. Is their black-market, 'Mr Broughton Charlton, county magistrate, declared, as

<sup>23.</sup> Reports, etc., 31 October 1856, p. 34, 24. ibid., p. 35,

<sup>26.</sup> ibid., p. 48. 27. ibid., p. 48. 25. ibid., p. 48.

<sup>28.</sup> ibid., p. 48.

Reports of the Inspectors of Factories for 30 April 1800, p. 56.
 This is the official expression both in the factories and in the reports.

lines 480-88. 'Fox' in the first line is presumably George Fox (1624-91), the founder of the Quaker sect. \*Dryden, 'The Cock and the Fox: or, the Tale of the Num's Priest' (1700),

hardly been exceeded by those perpetrated by the Spaniards in the conquest of America in the pursuit of gold' (John Wade, *History of the Middle and Working Classes*, 3rd edn, London, 1835, p. 114). The theoretical part of this crises. The historical part suffers by being a shameless plagiarism of Sir F. when it was published, certain original elements, for instance on commercial book, which is a kind of outline of political economy, contains, considering Eden's The State of the Poor, London, 1797. 31. 'The cupidity of mill-owners whose cruelties in the pursuit of gain have

this slow sacrifice of humanity which takes place in order that

occupation, 33 which cotton spinning appears as a very agreeable and healthy girls and women, and in a branch of industry, indeed, alongside children we may deduce the situation of the adults, especially the children themselves from the reports of 1860 and 1863. From the pose it is enough to take some of the depositions of the exploited ment Commission, First Report, dated 13 June 1863. For my purin Mr Longe's Report of 1862, printed in the Children's Employ-Privy Council (Public Health, Third Report, I, 102-13), and lastly 'Children's Employment Commissioners', in Dr Greenhow's The results are embodied in Mr Scriven's Report of 1841 to the years, formed the subject-matter of three Parliamentary inquiries. Report of 1860 published by order of the medical officer of the veils and collars may be fabricated for the benefit of capitalists?"32 The potteries of Staffordshire have, during the last twenty-two

and Saturday. 334 dinner). I have only half an hour sometimes: on Thursday, Friday, week.' Fernyhough, a boy of 10: 'I have not always an hour (for not get any more for working at night. I worked two nights last one have come this morning. I get 3 shillings and sixpence. I do There were eight or nine other boys working last night. All but this morning. I have not been in bed since the night before last. Sometimes I come at 4. I worked all night last night, till 6 o'clock eight weeks. Fifteen hours of labour for a child of 7! J. Murray, night six days in the week. I have done so for the last seven or week at 6 a.m., and left off at about 9 p.m. 'I work till 9 o'clock at mould) from the very beginning. He came to work every day in the articles into the drying-room, afterwards bringing back the empty 12 years of age, says: 'I turn jigger and run moulds. I come at 6. he began to work'. He 'ran moulds' (carried ready-moulded William Wood, 9 years old, 'was 7 years 10 months old when

Stoke, and 30-4 per cent in Wolstanton, more than half the deaths over the age of 20 are employed in the potteries in the district of ordinarily low. Although only 36.6 per cent of the male population pottery districts of Stoke-on-Trent and Wolstanton is extra-Dr Greenhow states that the average life-expectancy in the

are taken from Dr Greenhow's Report of 1860.35 shown in diminution of stature and breadth.' These statements robust than the preceding one.' Similarly another doctor, Mr Each successive generation of potters is more dwarfed and less in the second district, are the result of pulmonary diseases among among men of that age in the first district, and nearly two-fifths years ago, I have observed a marked degeneration, especially McBean, states: 'Since I began to practise among the potters 25 the potters. Dr Boothroyd, a medical practitioner at Hanley, says:

cruiting from the adjacent country, and intermarriages with more appear peculiar to them, and is known as potter's asthma, or and disorders of the liver and kidneys, and by rheumatism. But certainly short-lived; they are phlegmatic and bloodless, and exhibit healthy races.'36 district is not even greater than it is, is due to the constant repotters ... That the "degenerescence" of the population of this other parts of the body, is a disease of two-thirds or more of the potter's consumption. Scrofula attacking the glands, or bones, or pneumonia, phthisis, bronchitis, and asthma. One form would of all diseases they are especially prone to chest-disease, to their debility of constitution by obstinate attacks of dyspepsia, ill-formed in the chest; they become prematurely old, and are They are, as a rule, stunted in growth, ill-shaped, and frequently represent a degenerated population, both physically and morally. Infirmary, says: 'The potters as a class, both men and women, Dr J. T. Arledge, senior physician of the North Staffordshire From the report of the Commissioners in 1863, the following:

other things: 'I can only speak from personal observation and either parents or employers.' He enumerates the causes of the children whose health has been sacrificed to gratify the avarice of not from statistical data, but I do not hesitate to assert that my same hospital, writes in a letter to Commissioner Longe, amongst success is accompanied with the physical deterioration, widewhole world, will not long be subject to the remark that its great 'a manufacture which has assumed so prominent a place in the hours'. In their report, the Commissioners express the hope that diseases of the potters, and sums them up in the phrase 'long indignation has been aroused again and again at the sight of poor Mr Charles Parsons, until recently the House Surgeon of the

<sup>32.</sup> Daily Telegraph, 17 January 1860.

<sup>33.</sup> Cf. Engels. Lage etc., pp. 249-51 [English translation, pp. 232-4].

<sup>34.</sup> Children's Employment Commission, First Report, etc., 1863, Appendix,

<sup>35.</sup> Public Health, Third Report, etc., pp. 102, 104, 105.

<sup>36.</sup> Children's Employment Commission, First Report, etc., 1863, p. 24.

spread bodily suffering, and early death of the workpeople... by whose labour and skill such great results have been achieved? 37 And all that holds of the potteries in England is true of those in

passed in this industry. 6 years old. With a working day ranging from 12 to 14 or 15 Dante would have found the worst horrors in his Inferno surtaken in the workrooms themselves, pestilent with phosphorus, hours, night-labour, irregular meal-times, and meals mostly (1863), 270 were under 18, fifty under 10, ten only 8, and five only children'. 39 Of the witnesses examined by Commissioner White up their children to it, their 'ragged, half-starved, untaught of the working class, half-starved widows and so forth, deliver ness, has such a bad reputation that only the most miserable part facture of matches, on account of its unhealthiness and unpleasantare children under 13 and young persons under 18. The manuit tetanus, a disease which a Vienna doctor already discovered in covery of the method of applying phosphorus to the match itself, 1845 to be peculiar to the makers of matches. Half the workers Bristol, Norwich, Newcastle and Glasgow. It has brought with London to the cities of Manchester, Birmingham, Liverpool, England, and has spread out from the thickly populated parts of Since 1845 this branch of industry has developed rapidly in The manufacture of matches dates from 1833, from the dis-

tedly, from 6 a.m. to 10 p.m. or further into the night. April. During this time the work often lasts, almost uninterrupby machine; the finer by hand (block printing). The most active business months are from the beginning of October to the end of In the manufacture of wallpaper the coarser sorts are printed

of mine . . . when he was 7 years old I used to carry him on my cry with sore feet every night last winter.' G. Apsden: 'That boy back to and fro through the snow, and he used to have 16 hours a last winter till 9 (evening), and the winter before till 10. I used to indeed, none of us could.' J. Lightbourne: 'Am 13... We worked were away from ill-health at one time from over-work. I have to the children could none of them keep their eyes open for the work; bawl at them to keep them awake.' W. Duffy: 'I have seen when J. Leach's deposition: 'Last winter six out of nineteen girls

day . . . I have often knelt down to feed him as he stood by the so fond of the plural of majesty, adds, smirking with satisfaction, days or 84 hours a week.' Despite this, the same Mr Smith, who is at the very least 7 days, 5 hours, or 78½ hours a week. For the six and 140 adults), the average work for the last 18 months has been these, children and adults alike (152 children and young persons 'our' labour-power machines), 'so that we' (the same man again) off working before 6 p.m.' (he means leave off from consuming himself during 101 hours?) 'We' (this same Smith) 'seldom leave after that is overtime." (Does this Mr Smith take no meals that the day's work of 10½ hours is finished by 4.30 p.m., and all who work for "us") work on, with no stoppage for meals, so partner of a Manchester factory: 'We (he means his "hands" machine, for he could not leave it or stop.' Smith, the managing work.' On the whole, manufacturers are indignantly opposed to printing trade say: 'Hand labour is more healthy than machine-'Machine-work is not great.' Similarly, the employers in the block weeks ending 2 May this year (1862), the average was higher -'are really working overtime the whole year round ... For all the proposal 'to stop the machines at least during meal-times'.

says Mr Otley, manager of a wallpaper factory in the Borough some 'leading firms' of losing time, i.e. the time for appropriating mission's report the naïve opinion is expressed that the fear in can understand the loss of time not being liked.' In the Compaper and colour to speak of. But,' he adds sympathetically, 'I stopped for dinner.' (What generosity!) 'There is no waste of is not a 'sufficient reason' for 'allowing children under 13, and the labour of others[fremde Arbeit], and thereby 'losing profit' hours, 6 a.m. to 6 p.m., are not suitable. Our machine is always (a district of London), 'would suit us (!) very well, but the factory 'A clause which allowed work between say 6 a.m. and 9 p.m.,'

during the normal working day were paid for at its full value. case, this would remain true of overtime even if the labour-power expended this of course includes the normal quantity of surplus labour. After this begins 'overtime', which is paid a little better. It will be seen later that the These gentlemen consider 10\(\frac{1}{2}\) hours of labour as the normal working day, and that overtime is merely a capitalist trick to extort more surplus labour. In any labour expended during the so-called normal day is paid below its value, so 40. This is not to be taken in the same sense as our surplus labour-time

<sup>38.</sup> ibid., p. xlvii. 37. Children's Employment Commission, First Report, etc., 1863, p. 22, and xi.

<sup>\*</sup>Here, as elsewhere, we have opted for 'labour of others' rather than

material for the instruments of labour. 41 namely during the process of production itself, as merely auxiliary supplied to the steam-engine, soap to wool, oil to the wheel their dinner', nor for giving it to them as coal and water are young persons under 18, working 12 to 16 hours per day, to lose

takes it as it finds it. acter of the labour process it seizes control of. At the outset, it as we said earlier, is at first indifferent towards the technical charwhich has only recently begun to make its way here.) But capital, (We shall disregard the practice of making bread by machinery, present day a method of production as archaic, as pre-christian (as we see from the poets of the Roman Empire) as baking has, No other branch of industry in England has preserved up to the

eyes that everything real is merely apparent. 44 and better than the Eleatics\* how to demonstrate before your very better than Protagoras how to make white black, and black white, 'sophisticated' goods. In fact, this kind of 'sophistry' understands meant trade with adulterated, or as the English ingeniously put it, less naïvely formulated its conviction that free trade essentially selling adulterated commodities. 43 The Committee itself more or 'freetrader' who decides 'to turn an honest penny' by buying and law, as it naturally shows the tenderest consideration for every 'on the adulteration of articles of food' (1855-6), and by Dr Hassall's work Adulterations Detected. 42 The consequence of the adulteration of articles of food and drink', an inoperative these revelations was the Act of 6 August 1860, 'for preventing was first revealed by the Committee of the House of Commons The incredible adulteration of bread, especially in London,

pp. 123-5, 140, and lxiv. 41. Children's Employment Commission, First Report, etc., 1863, Appendix

commerce bearing the significant name of 'baker's stuff' 42. Alum, either finely powdered or mixed with salt, is a normal article of

the plaintiff, a farmer, who had in addition to pay the costs of the proceedings. mercial' sense or 'adulterated' soot in the 'legal' sense. The 'friends of commerce 'decided it was 'genuine' commercial soot, and rejected the suit of buyer, 90 per cent of dust and sand are mixed, is 'genuine' soot in the 'comman' had to decide in a law-suit whether soot with which, unknown to the capitalist chimney-sweeps to English farmers. Now, in 1862 the British 'jury-44. The French chemist, Chevallier, in his treatise on the 'sophistications' 43. Soot is a very active form of carbon, and provides a manure sold by

who held that Being alone was true, and that everything outside the one fixed Being was merely apparent. \*The Eleatics were Greek philosophers of the sixth and fifth centuries B.C.,

> ment. The cry was so urgent that Mr H. S. Tremenheere, also a their over-work rose in public meetings and petitions to Parliasand and other agreeable mineral ingredients. Without any regard perspiration mixed with the discharge of abscesses, cobwebs, to eat his bread in the sweat of his brow, but they did not know capitalist, or a landlord, or the holder of a sinecure, is destined of the Bible, knew well enough that man, unless by elective grace a heart but in its stomach. Englishmen, with their good command appointed a Royal Commissioner of Inquiry. His report, 45 member of the above-mentioned Commission of 1863, was the same time the cry of the London journeymen bakers against public to its 'daily bread', and therefore to the baking trade. At inspectors (at the close of the Parliamentary session of 1863), and was therefore placed under the supervision of state-appointed for His Holiness 'Free Trade', the hitherto 'free' baking trade dead cockroaches and putrid German yeast, not to mention alum, that he had to eat daily in his bread a certain quantity of human together with the evidence given, moved the public not in its by the same Act of Parliament work from 9 in the evening to 5 in homely line of business. last clause speaks volumes as to the over-work in this old-fashioned, the morning was forbidden for journeymen bakers under 18. The At all events the Committee had directed the attention of the

about eleven at night. At that hour he "makes the dough" - a of an hour, according to the size of the batch or the labour which is also the covering of the trough in which the dough is bestowed upon it. He then lies down upon the kneading-board, laborious process, which lasts from half an hour to three quarters 'The work of a London journeyman baker begins, as a rule, at

milk, 20 of bread, 23 of brandy, 24 of meal, 28 of chocolate, 30 of wine, 32 of 6 kinds of adulteration of sugar, 9 of olive oil, 10 of butter, 12 of salt, 19 of in review, 10, 20, 30 different methods of adulteration. He adds that he does of commodities,\* enumerates, for many of the 600 or more articles he passes De la falsification des substances sacramentelles, Paris, 1856. coffee, etc. Even God Almighty does not escape this fate. See Rouard de Card. not know all the methods, and does not mention all that he knows. He gives

men Bakers, etc., London, 1862, and Second Report, etc., London, 1863. 45. Report, etc., Relative to the Grievances Complained of by the Journey-

extensively on adulterations. His main work is Dictionnaire des altérations et avec l'indication des moyens de les reconnaître (Paris, 1850-52, 2 vols). falsifications des substances alimentaires, médicamenteuses et commerciales, \*Jean Baptiste Alphonse Chevallier (1793-1879) was a chemist who wrote

shop. If they send it out, which is not common, except as supplying hours, but their work is almost entirely confined to the bakehouse. and who, as already pointed out, comprise three-fourths of the o'clock, Sunday morning. On Sundays the men must attend twice The underselling masters generally sell their bread ... in the underselling masters (who sell their bread under the "full price" or three times during the day for an hour or two to make preparaup to 8 p.m. on Saturday night, but more generally up to 4 or 5 tions for the next day's bread ... The men employed by the London bakers) have not only to work on the average longer in some cases, at work, either in making or delivering the bread they always begin sooner, some about 10 o'clock, and continue only four or five hours' sleep before they begin again. On Fridays after they have done their work, sometimes 5 or 6, sometimes bakehouse again, assisting in the biscuit-baking. They may have, evening carrying out bread, or sometimes in the afternoon in the engaged all day long, up to 4, 5, 6, and as late as 7 o'clock in the intervals of rest, up to 8 o'clock the next morning. They are then in making the bread, with one or two short (sometimes very short) End of the town generally begin work at 11 p.m., and are engaged the operatives belonging to the "full-priced" bakers at the West afternoon.'46 ... 'During what is called "the London season", in the bakehouse in "bringing out" more batches until late in the nature of their master's business; while others are again engaged p.m. according to the season of the year, or the amount and 46. First Report, etc., pp. vi-vii. the bakehouse, leaving off work at various hours between 1 and 6 carrying baskets, or wheeling hand-carts, and sometimes again in the night, are upon their legs for many hours during the day, in the trade, after working hard in the manner described during bution begins, and a considerable proportion of the journeymen business of making the bread, rolls, etc., is over, that of its distrito the higher rather than to the lower degree of heat. When the 90 degrees, and in the smaller bakehouses approximates usually temperature of a bakehouse ranges from about 75 to upwards of batch bread out of the oven, and up into the shop, etc., etc. The oven, preparing and baking rolls and fancy bread, taking the out the dough, "scaling it off", moulding it, putting it into the in a rapid and continuous labour for about five hours - throwing pillow, he sleeps for about a couple of hours. He is then engaged "made"; and with a sack under him, and another rolled up as a

> pose. It is not their practice to deliver bread from house to house. chandlers' shops, they usually employ other hands for that purlate on Saturday evening."47 at 10 o'clock, and continue on with only slight intermission until Towards the end of the week . . . the men begin on Thursday night

made the source whereby the competition was carried on. 48 And men for 12 hours' wages."49 and adulterators of the product. 'They only exist now by first deto the Commission of Inquiry as thieves of other people's labour the 'full-priced baker' denounces his 'underselling' competitors the 'underselling masters': 'The unpaid labour of the men was frauding the public, and next getting 18 hours' work out of their Even the bourgeois, from his standpoint, grasps the position of

trade was lost, and the capitalist stepped behind the nominal eighteenth century, i.e. as soon as the corporate character of the which have taken place in England since the beginning of the bakers who sell bread for less than its full price, are developments master baker in the shape of a miller or a flour factor. 50 This laid 1824, even in London.<sup>51</sup> limited extension of the working day, and for night work, althe foundation for capitalist production in this trade, for the unthough the last-mentioned has secured a real foothold only since The adulteration of bread, and the formation of a class of

with applicants. The sources for the supply of these 'labourage of 42. Nevertheless, the baking trade is always overwhelmed decimation of the children of the working class, rarely reach the lived workers, who, having by good luck escaped the normal powers' to London are Scotland, the agricultural districts of the Commission's report classes journeymen bakers among the short-West of England, and - Germany. After what has just been said, it will be understood that the

47. ibid., p. lxxi.

of the eighteenth century the factors (i.e. agents) who crowded into every Nuisance and Prejudice to the Clothing Trade, and ought to be put down as a states, among other things, 'that these factors of Blackwell Hall are a Public of Somerset addressed a 'presentment' to the House of Commons which Grand Jury at the quarter session of the Justices of the Peace for the County possible trade were still denounced as 'public nuisances'. For example, the Nuisance' (The Case of our English Wool, etc., London, 1685, pp. 6, 7). George Read, The History of Baking, London, 1848, p. 16.
 First Report, etc. Evidence of the 'full-priced baker' Cheeseman, p. 108. 50. George Read, op. cit. At the end of the seventeenth and the beginning

51. First Report, etc., p. viii.

work and night work, contrary to the convictions of the men. 52 it, have succeeded in leading the men into acquiescence in Sunday discountenancing as much as possible the journeymen promoting offered the most determined opposition to the movement, and by exercising their power of turning the men out of employment, have defeated the movement. In Dublin, the master bakers have gression in Ennis and Tipperary. In Cork, where the strongest greatest opponents. The example of Limerick led to a retropossible demonstration of feeling took place, the masters, by by the opposition of the master bakers, the miller bakers being the are demonstrated to be excessive, the movement has been defeated successfully established in Wexford, Kilkenny, Clonmel, Waterford, etc. 'In Limerick, where the grievances of the journeymen As a result of this movement, a rule of exclusive day-labour was meeting of May 1860 - supported them with typically Irish warmth and Sunday work. The public - for example at the Dublin at their own expense, huge meetings to agitate against night work In the years 1858-60 the journeymen bakers of Ireland organized,

deprived of the care and support of the head of the family when age and death, to the great injury of families of working men, thus a father. That work beyond 12 hours has a tendency to undermine the health of the working man, and so leads to premature old the discharge of his family duties as a son, a brother, a husband, disastrous moral results, interfering with each man's home, and domestic and private life of the working man, and so leads to that any constant work beyond 12 hours a day encroaches on the religion, morality, and social order ... The Committee believe workmen and masters ... and affords an example dangerous to of the land, and to disregard public opinion' (this all refers to Sunday labour) 'is calculated to provoke ill-feeling between religious convictions and their better feelings, to disobey the laws workmen, by the fear of losing employment, to violate their violated with impunity. That for master bakers to induce their hours of labour are limited by natural laws, which cannot be Dublin, Limerick, Cork, etc.: 'The Committee believe that the which, in Ireland, is armed to the teeth, merely remonstrates, in funereal tones it is true, against the implacable master bakers of The Committee of the English government, a government

52. Report of the Committee on the Baking Trade in Ireland for 1861, 53. ibid.

in Scotland, the agricultural labourer, the man of the plough, is guard, an engine-driver, and a signalman - are up before a coroner's with 4 hours' additional work on Sunday (in that land of Sabbatarprotesting against his 13 to 14 hours' work in a very severe climate, out a break. They are ordinary men, not Cyclops. At a certain pressure of holiday travellers is especially severe, when excursion say, it has been screwed up to 14, 18 and 20 hours, and when the lasted only 8 hours a day. During the last five or six years, they voice before the jury that ten or twelve years before their labour workers is the cause of the misfortune. They declare with one passengers into the next world. The negligence of the railway jury. A tremendous railway accident has dispatched hundreds of ians!), 54 while simultaneously in London three railwaymen - a of paid labour-power.55 'abstemious', more 'self-denying', more 'thrifty', in the extortion chase of the necessary number of 'labour-powers', and more way magnates would in future be more extravagant in the purto the Assizes on a charge of manslaughter; in a mild rider to the point their labour-power ran out. Torpor seized them. Their trains are put on, their labour often lasts for 40 or 50 hours withverdict the jury expressed the pious hope that the capitalist railbrains stopped thinking, their eyes stopped seeing. The thoroughly 'respectable British Juryman' replied with a verdict that sent them We have just been in Ireland. On the other side of the channel

54. Public meeting of agricultural labourers at Lasswade, near Edinburgh, 5 January 1866. (See Workman's Advocate, 13 January 1866.) The formation since the end of 1865 of a trade union among the agricultural labourers, first of all in Scotland, is a historic event. In one of the most oppressed agricultural districts of England, Buckinghamshire, in March 1867, the labourers carried through a great strike to raise their weekly wage from 9–10 shillings to 12 shillings. (It will be seen from the preceding passage that the movement of the English agricultural proletariat, entirely crushed since the suppression of its violent manifestations after 1830, and especially since the introduction of the new Poor Laws, begins again in the sixties, until it finally becomes epochmaking in 1872. I return to this in Volume 2, and also deal there with the Blue Books which have appeared since 1867 on the position of the English agricultural labourers. – Addendum to the third edition.)\*

55. Reynolds' Newspaper, 21 January 1866. Every week this same paper brings a whole list of fresh railway catastrophes under the sensational headings 'Fearful and fatal accidents', 'Appalling tragedies', etc. This is the answer of a worker on the North Staffordshire Line: 'Everyone knows the consequences

<sup>\*</sup>Marx appears not to have pursued this idea, as nothing on the subject appears either in Volume 2 or Volume 3.

all men are alike in the face of capital - a milliner and a blackover-work, without referring to the Blue Books under their arms, the slain around Ulysses, on whom we see at a glance the signs of sexes, who throng around us more urgently than did the souls of let us select two more figures, whose striking contrast proves that From the motley crowd of workers of all callings, ages and

quantity of air, measured in cubic feet. At night the girls slept in pairs in the stifling holes into which a bedroom was divided by thirty in each room. The rooms provided only 3 of the necessary worked uninterruptedly for 261 hours, with sixty other girls, the newly imported Princess of Wales. Mary Anne Walkley had It was necessary, in the twinkling of an eye, to conjure up magniof their failing 'labour-power' is maintained by occasional ficent dresses for the noble ladies invited to the ball in honour of supplies of sherry, port or coffee. It was the height of the season, without a break, during the season often 30 hours, and the flow vealed once again. 56 These girls work, on an average, 164 hours pleasant name of Elise. The old, often-told story was now reable dressmaking establishment, exploited by a lady with the Mary Anne Walkley, 20 years old, employed in a highly respectpublished a paragraph with the 'sensational' heading, 'Death from simple over-work'. It dealt with the death of the milliner, In the last week of June 1863, all the London daily papers

February 1866). he was at last told they would give him another quarter, i.e. 10d.' (ibid., 4 told 13 hours for a goods man (i.e. 78 hours) . . . He then asked for what he time-keeper ... and inquired what they considered a day's work, and was for the week of 88 hours 40 minutes. Now, sir, fancy his astonishment on being paid 64 days for the whole. Thinking it was a mistake, he applied to the a total of 29 hours 15 minutes without intermission. The rest of the week's had made over and above the 78 hours per week, but was refused. However, minutes; Friday, 144 hours; Saturday, 14 hours 10 minutes, making a total work was made up as follows: Wednesday, 15 hours; Thursday, 15 hours 35 The next time he finished he had been on duty 14 hours 25 minutes, making minutes. Before he had time to get his tea, he was again called on for duty . . . had finished what is called a day's work, he had been on duty 14 hours 50 man commenced work on the Monday morning at a very early hour. When he at such work for 29 or 30 hours, exposed to the weather, and without rest? The following is an example which is of very frequent occurrence: One firetinually on the look-out. How can that be expected from a man who has been that may occur if the driver and fireman of a locomotive engine are not con-

56. Cf. F. Engels, op. cit., pp. 253-4 [English edition, pp. 235-8].

wooden partitions.<sup>57</sup> And this was one of the better millinery working on. The doctor, a Mr Keys, called too late to the girl's Madame Elise, having finished off the bit of finery she was Friday and died on Sunday, without, to the astonishment of establishments in London. Mary Anne Walkley fell ill on the an overcrowded work-room, and a too small and badly ventilated deathbed, made his deposition to the coroner's jury in plain work-room, etc.'. her death had been accelerated by over-work in an overcrowded deceased had died of apoplexy, but there was reason to fear that the coroner's jury thereupon brought in the verdict that 'the bedroom.' In order to give the doctor a lesson in good manners, language: 'Mary Anne Walkley died from long hours of work in

who are toiled into the grave, for the most part silently pine and the free-trading gentlemen Cobden and Bright, 'our white slaves, 'Our white slaves,' exclaimed the Morning Star, the organ of

a dwelling room 500 cubic feet.' Dr Richardson, Senior Physician at one of 'The minimum of air for each adult ought to be in a sleeping room 300, and in capital, can bring in capital to force economy out of labour. This power tells mischiefs of the trade, in the metropolis especially, are that it is monopolised in the main . . . is infinitely better adapted to women than to men. But the which, even if it be good, cannot be digested in the absence of pure air. On even 18 hours out of the 24, in an air that is scarcely tolerable, and on food Now at home, in one room, starving, or near to it, then engaged 15, 16, aye, thus, she becomes a mere slave, tossed about with the variations of society, it together, and this same over-work she must of necessity inflict on any who such is the competition that, in her home, she must work to the death to hold by some twenty-six capitalists, who, under the advantages that spring from deficient air, and either deficient food or deficient digestion . . . Needlework, dressmakers, and ordinary sempstresses, there are three miseries - over-work, these victims, consumption, which is purely a disease of bad air, feeds' lishment, where her labour is not less, but where her money is safe. Placed may assist her. If she fail, do not try independently, she must join an estabthroughout the whole class. If a dressmaker can get a little circle of customers, the London hospitals: 'With needlewomen of all kinds, including milliners, (Dr Richardson, 'Work and Over-Work', in Social Science Review, 18 July 57. Dr Letheby, Consulting Physician of the Board of Health, declared:

slaughter against families who were born slave-owners, and who, at least, a leading article of 2 July 1863, 'that, while we work our own young women the instrument of compulsion, we have scarcely a right to hound on fire and to death, using the scourge of starvation, instead of the crack of the whip, as the American slave-owners against Bright etc. 'Very many of us think,' says 58. Morning Star, 23 June 1863. The Times used this opportunity to defend

so many more blows, to walk so many more steps, to breathe so many more breaths per day, and to increase altogether a fourth work, and live an average, say, of fifty years; he is made to strike walk so many steps, breathe so many breaths, produce so much destroyer of the man. He can strike so many blows per day, branch of human industry, is made by mere excess of work the tive almost as a portion of human art, unobjectionable as a male adults of the country in its entirety. The occupation, instincrate of 31 per thousand per annum, or 11 above the mean of the death-rate of his country. In Marylebone, blacksmiths die at the work on that strong man, and what then is his position in the But we follow him into the city or town, and we see the stress of fact, in one of the best of human positions, physically speaking. and sleeps as no other man. Working in moderation, he is, in rises early and strikes his sparks before the sun; he eats and drinks true, there is no man so hearty, so merry, as the blacksmith; he done ... We will take the blacksmith as a type. If the poets were place I had almost said, where "a thriving business" has to be the order of the day, but in a thousand other places; in every 'It is not only in dressmakers' rooms that working to death is

- has burst at last. The kernel of it is - slavery! of Tory sympathy for the urban workers - not, by God, for the rural workers! Americana in Nuce', Macmillan's Magazine, August 1863). Thus the bubble his labour by the day, and the Paul of the South hires his 'for life' ('llias Paul of the South with all his might, because the Peter of the North hires War, to this level, that the Peter of the North wants to break the head of the he reduces the one great event of contemporary history, the American Civil "The Genius has gone to the devil; the Cult has remained." In a short parable, oracle spoke, Thomas Carlyle, the man of whom I already wrote in 1850: hours a day for the wages of a dog' (Standard, 15 August 1863), Finally, the excommunicated the slave owners, but prays with the fine folk who, without remorse, make the omnibus drivers and conductors of London, etc., work 16 Standard, a Tory paper, delivered a rebuke to the Rev. Newman Hall\*: 'He feed their slaves well, and work them lightly. In the same manner, the

American Civil War, Liberal in politics, a prominent advocate of the Northern cause during the \*Rev. Christopher Newman Hall (1816-1902), Congregationalist minister,

in full, 'in these pamphlets, the cult of genius, which Carlyle shares with Strauss, has lost what genius it possessed; the cult has remained' (MEW 7, in the Neue Rheinische Zeitung. Revue, April 1850. The quotation should run, †Marx refers here to his review of Carlyle's book Latter-Day Pamphlets,

> limited time a fourth more work, he dies at 37 for 50.'59 of his life. He meets the effort; the result is, that producing for a

# 4. DAY-WORK AND NIGHT-WORK. THE SHIFT-SYSTEM

in a negative sense, for while they lie fallow they represent a useless absorb labour and, with every drop of labour, a proportional as a palliative. It only slightly quenches the vampire thirst for the day beyond the limits of the natural day, into the night, only acts when the work begins again. The prolongation of the working interruption of employment necessitates an additional outlay advance of capital. This loss becomes a positive one as soon as the fail to do this, their mere existence forms a loss for the capitalist, quantity of surplus labour. In so far as the means of production from the standpoint of the process of valorization, in order to during the night as well as the day, capital has to overcome this out the whole of the 24 hours in the day. But since it is physically living blood of labour. Capitalist production therefore drives, by Constant capital, the means of production, only exist, considered impossible to exploit the same individual labour-power constantly, its inherent nature, towards the appropriation of labour throughother metallurgical establishments of England, Wales and Scot-English cotton industry, and that at the present time it still workers, predominated in the full-blooded springtime of the well known that this shift-system, this alternation of two sets of week on day-work, and for the next week on night-work. It is arranged that part of the working personnel is employed for one can be accomplished in various ways; for instance it may be labour-powers used up by day and those used up by night. This physical obstacle. An alternation becomes necessary, between the of Sunday, in addition to the 24 hours of the 6 working days. The land. Here the labour process includes a great part of the 24 hours in Great Britain, in the blast-furnaces, forges, rolling mills and flourishes, among other places, in the cotton-spinning factories of today as a system in many of the as yet 'free' branches of industry the Moscow gubernia.\* This 24-hour process of production exists

<sup>59.</sup> Dr Richardson, op. cit., pp. 476 ff.

<sup>\*&#</sup>x27;Government'; the largest administrative subdivision of the Russian

sexes. The ages of the children and young persons run through all the intermediate grades, from 8 (in some cases from 6) to 18.60 workers consist of men and women, adults and children of both In some branches of industry, the girls and women work through

the night together with the male personnel.61

official working day usually comes to 12 hours by night or day already mentioned, which are themselves very strenuous; the normal working day, for example in the branches of industry offers very welcome opportunities for exceeding the limits of the the duration of the process of production, unbroken for 24 hours, Leaving aside the generally harmful effects of night labour, 62

for all workers. But the amount of over-work done in excess of 60. Children's Employment Commission, Third Report, London, 1864,

p. xiii). It is the same in the glass-works, unfeminine occupation' (ibid., pp. 194, xxvi. Cf. Fourth Report (1865), 61, night. This practice has been often noticed in Reports presented to Parliament, as being attended with great and notorious evils. These females employed with dirt and smoke, are exposed to the deterioration of character, arising with the men, hardly distinguished from them in their dress, and begrimed from their loss of self-respect, which can hardly fail to follow from their employed on the pit banks and on the coke heaps, not only by day but also by 61. 'Both in Staffordshire and in South Wales young girls and women are

material for a serious controversy is the best demonstration of the way capitamission, Fourth Report, 284, p. 55). That such a question could provide the subjected to it soon suffered in their health' (Children's Employment Comlist production acts on the mental functions of the capitalists and their contrary to what some employers were fond of asserting, those who were effects of night-work upon children, and I have no hesitation in saying, as a stimulus upon the organs of sight, and by this means brings about more passage is taken, writes in a letter to Mr White, one of the Commissioners; the Worcester General Hospital, from whose work on Health (1864) this activity in the various cerebral functions.' Dr W. Strange, Senior Physician at plastic blood, and hardens the fibre after it has been laid down. It also acts part of it, is most essential to health. Light assists in the elaboration of good access to plenty of light during the day, and to the direct rays of the sun for a tion of all growth seems to be perverted . . . In the case of children, constant the nervous power loses its tone from defective stimulation, and the elaborawhen they are deprived of a proper amount of light, become soft and inelastic, in hardening them and supporting their elasticity. The muscles of animals, and growth of the body: 'Light also acts upon the tissues of the body directly A doctor has this to say on the importance of sunlight for the maintenance proper rest by day, but will be running about' (Fourth Report, 63, p. xiii). 'It seems but natural that boys who work at night cannot sleep and get have had opportunities formerly, when in Lancashire, of observing the 62. A steel manufacturer who employs children in night labour remarks:

> report, 'truly fearful'.63 this limit is in many cases, to use the words of the official English

coming irresistibly to the conclusion that such abuses of the amount of work described in the following passages as being power of parents and of employers can no longer be allowed to performed by boys of from 9 to 12 years of age ... without 'It is impossible,' says the report, 'for any mind to realize the

and admitted the fact. '65 turn was made up, "I daresay, sir, you know that as well as I do", when I asked him how the place of the boys absent from their other turn. That this is a well-understood system is plain ... their place is made up by one or more boys, who work in the one or more are from some cause absent. When this happens, number of boys it will, of course, not infrequently happen that only cruelly, but even incredibly long for children. Amongst a unduly long hours. These hours are, indeed, in some cases, not inevitably to open the door to their not infrequently working either in the usual course of things, or at pressing times, seems from the answer of the manager of some large rolling-mills, who, 'The practice of boys working at all by day and night turns

- always did, but was very gain (near) home, and could sleep at works in the country. Began there, too, at 3 on Saturday morning other days I have been here at 6 a.m. Aye! it is hot in here. with an apron under me, and a bit of a jacket over me. The two Live five miles off. Slept on the floor of the furnace, over head, next morning we had to begin at 3, so I stopped here all night, 'George Allinsworth, age 9, came here as cellar-boy last Friday; till 12 p.m. for a fortnight on end; could not do it any more. now 12, has worked in an iron foundry at Staveley from 6 a.m. together, e.g., from Monday morning till Tuesday night.' 'Another, noon next day, for a week together, and sometimes for three shifts other nights'. 'Another, now 13, ... worked from 6 p.m. till 12 worked from 6 a.m. till 12 p.m. three nights, and till 9 p.m. the made two days and two nights running.' A third, 'now 10... sometimes made three 12-hour shifts running, and, when 10, has p.m. at least . . . and this for six months. Another, at 9 years old, 5.30 p.m., a boy worked about four nights every week till 8.30 Before I came here I was nearly a year at the same work at some 'At a rolling-mill where the proper hours were from 6 a.m. to 63. ibid., 57, p. xii. 64. ibid., 58, p. xii. 65. ibid.

6 or 7 in the evening,' etc. 66 home. Other days I began at 6 in the morning, and gi'en over at

and in the hottest, and in the most monotonous of the various processes up, a frightful amount of overtime is put in, 'and that often in the dirtiest, meals'. In some factories, where regular night-work has been entirely given or cessation beyond two, or, at most, three breaks of half an hour each for (Children's Employment Commission, Fourth Report, 1865, pp. xxxviii and system obtains in the glass and paper works as in the metallurgical establishments already cited. In the paper factories, where the paper is made by machinery, night-work is the rule for all processes, except rag-sorting. In some cases night-work is carried on incessantly through the whole week, by means of shifts, and thus continues from Sunday night until midnight of the following Saturday. The men on day-work work five days of 12 hours, and 12 who work 14 hours a day for the whole month, 'without any regular relief 'continuous and unvarying' process of glazing there are to be found girls of infrequently extends to 24 or even 36 hours of uninterrupted toil. In the night system. Sometimes, under the 12-hour system, they are forced to work a 15 or 16 hours every day in the week. This system, says Commissioner Lord, seems to combine all the evils of both the 12 hours' and the 24 hours' relays'. The evidence proves that boys and girls very often work overtime, which not double shift of 24 hours, owing to the failure of their counterparts to turn up. Children under 13, young persons under 18, and women, work under this prevails, by which all those employed on the paper-making machinery work on Saturday, to make up the 24 hours. In other cases an intermediate system secutively on alternate days, one group working 6 hours on Monday, and 18 one of 6 hours in each week. In other cases each group works 24 hours conone day of 18 hours; those on night-work work five nights of 12 hours, and he was religious in some ways, and others isn't' (loc. cit., p. xv). 'The devil is a good person. I don't know where he lives.' 'Christ was a wicked man.' dren's Employment Commission, Fifth Report, 1866, p. 55, n. 278). The same 'This girl spelt God as dog, and did not know the name of the queen' (Chilothers, and I cannot tell anything about him. He was not killed, but died One name that they preached about was Jesus Christ, but I cannot say any man, age 17 - 'Had been to chapel, but missed a good many times lately, one was a little bird.' William Smith, age 15 - 'God made man, man made like other people. He was not the same as other people in some ways, because woman.' Edward Taylor, age 15 - 'Do not know of London.' Henry Matthewmade the world, and that all the people was drowned but one; heard say that but didn't know before. John Morris, age 14 - 'Have heard say that God man.' William Turner, age 12-'Don't live in England. Think it is a country, (told it is a Queen), they call her the Princess Alexandra. Told that she married the Queen's son. The Queen's son is the Princess Alexandra. A Princess is a are sixteen. A king is him that has all the money and gold. We have a King missioners: Jeremiah Haynes, age 12 - 'Four times four is eight; four fours naturally be such as appears in the following dialogues with one of the Com-The extreme forms of the system, its abuse in the 'cruel and 66. ibid., p. xiii. The level of education of these 'labour-powers' must Let us now hear how capital itself regards this 24-hour system.

> over in silence. Capital only speaks of the system in its 'normal' incredible' extension of the working day, are naturally passec

any difference in the health of those who work regularly by night under 18, with only twenty boys under 18 working on the night and those who work by day, and probably people can sleep better out any alternation of day and night work . . . We do not find from 12 to 12. Some of the hands always work in the night, withare day-work, i.e. from 6 a.m. to 6 p.m. In the forge the hours are work night and day, in relays, but all the other parts of the work to 90 degrees . . . At the forges and in the rolling-mills the hands suffer from the heat. The temperature is probably from 86 degrees shift, have the following comments to make: 'The boys do not night. The objection would be the increase in the cost of producbetween 600 and 700 persons, among whom only 10 per cent are or interest to us."67 the subject of restrictions on night-work) is of little importance difficult to get, but of lads we could get any number . . . But from tion ... Skilled hands and the heads in every department are sets . . . We could not well do without lads under 18 working by About twenty of the boys under the age of 18 work in the night if they have the same period of rest than if it is changed ... the small proportion of boys that we employ, the subject' (i.e. Messrs Naylor and Vickers, steel manufacturers, who employ

night sets also, because the men could not work in the night sets work more than 12 hours in the 24. But we do not think that any of the law, Mr Ellis says: 'I do not think it would be very objecare under the age of 13. With reference to the proposed alteration employs 500 boys under 18, and of these about a third, or 170, or two boys are employed to a score or two men'. Their business night and day in shifts, states 'that in the heavier steel work one whose operations, namely iron and heavier steel work, goes on and iron works, employing about 3,000 men and boys, part of at all, than not be allowed to employ boys that we do have at night. dispensed with for night-work. But we would sooner be prevented line could be drawn over the age of 12, at which boys could tionable to require that no person under the age of 18 should from employing boys under the age of 13, or even so high as 14, those boys who work in the day sets must take their turn in the Mr J. Ellis, from the firm of Messrs John Brown & Co., steel

67. Fourth Report, etc., 1865, 79, p. xvi.

only; it would ruin their health... We think, however, that nightwork in alternate weeks is no harm.' (Messrs Naylor & Vickers, on the other hand, in line with the best interests of their business, took the opposite view, that periodic alternations of night and day-labour might well do more harm than continual night-labour.)' We find the men who do it, as well\* as the others who do other work only by day... Our objections to not allowing boys under 18 to work at night, would be on account of the increase of expense, but this is the only reason.' (What cynical naïveté!) 'We think that the increase would be more than the trade, with due regard to its being successfully carried out, could fairly bear.' (What mealy-mouthed phraseology!) 'Labour is scarce here, and might fall short if there were such a regulation.' (In other words, Ellis, or Brown & Co., might be subjected to the fatal embarrassment of having to pay labour-power at its full value.) '88

The 'Cyclops Steel and Iron Works' of Messrs Cammell & Co. is conducted on the same large scale as the works of the above-mentioned John Brown & Co. The managing director had handed in his evidence to the Government Commissioner, Mr White, in writing. Later he found it convenient to suppress the manuscript when it was returned to him for revision. But Mr White has a retentive memory. He recalled quite clearly that for these Cyclopean gentlemen the prohibition of the might-labour of children and young persons 'would be impossible, it would be tantamount to stopping their works', and yet their business employs little more than 6 per cent of boys under 18, and less than 1 per cent under 13.69

On the same question, Mr E. F. Sanderson, of the firm of Sanderson Bros. & Co., steel rolling-mills and forges, Attercliffe, says: 'Great difficulty would be caused by preventing boys under 18 from working at night. The chief would be the increase of cost from employing men instead of boys. I cannot say what this would be, but probably it would not be enough to enable the manufacturers to raise the price of steel, and consequently it would fall on them, as of course the men' (how wrong-headed these people are!) 'would refuse to pay it.' Mr Sanderson does not know how much he pays the children, but 'perhaps the younger

68. Fourth Report, etc., 1865, 80, p. xvi. 69. ibid., 82, p. xvii

boys get from 4s. to 5s. a week . . . The boys' work is of a kind for which the strength of boys is generally' ('generally', but of course not always 'in particular') 'quite sufficient, and consequently there would be no gain in the greater strength of the men to counterbalance the loss, or it would be only in the few cases in which the metal is heavy. The men would not like so well not to have boys under them, as men would be less obedient. Besides, boys must begin young to learn the trade. Leaving daywork alone open to boys would not answer the purpose.'

enables the men to get it at a cheaper rate. Each man would want make from them. The training which they give to an apprentice is time from their boys, and would lose half the profit which they nights in alternate weeks, the men would be separated half the daytime? Your reason? 'Owing to the men working days and considered as part of the return for the boys' labour, and thus able to stand it. In short, the difficulties would be so great as to Apart from this, it would throw night-work on the men alone, Sandersonian reason why boys cannot learn their craft by day.70 son's profit would thus fall to some extent, and this is the good pockets instead of by the night-work of the boys. Messrs Sanderhave to pay part of the wages of the adult men out of their own number of hands for all the 24 hours of the day, and as soon as they give to the Sandersons a draft on the labour-time of a certain transform themselves into steel. They are there to absorb surplus machinery, iron, coal, etc., have something more to do than profit-making. The steel furnaces, rolling-mills, etc., the buildings, else to make besides steel. Steel-making is simply a pretext for would suit as well, but - ' But Messrs Sanderson have something far as the work itself is concerned,' says E. F. Sanderson, 'this lead in all likelihood to the total suppression of night-work. 'As who are at present relieved by the boys, and they would not be half of this profit.' In other words, Messrs Sanderson would there is an interruption in their function of absorbing labour they In fact, both by the sanction of the law and the grace of God, labour, and they naturally absorb more in 24 hours than in 12. And why not? Why could the boys not learn their craft in the

<sup>\*</sup>That is, as healthy.

<sup>70. &#</sup>x27;In a time so rich in reflection and so devoted to raisonnement as our own, he must be a poor creature who cannot advance a good ground for everything, even for what is worst and most depraved. Everything in the world that has become corrupt, has had good ground for its corruption' (Hegel, op. cit., p. 249) [Logic, para. 121, Addition. English translation, p. 178].

suffer nothing from the alternation of day-work and night-work).71 for the Sanderson clan), 'and the furnaces themselves would suffer from the changes of temperature' (whereas those same furnaces sleeping time, even that of 8-year-olds, is a gain of working time in laying the fires and getting the heat up' (whereas a loss of of the workers) 'and if they were not, there would be loss of time waste of fuel' (instead of the present waste of the living substance only goes on by day. But the use of furnaces would involve a further loss in our case. If they were kept up these would be a from machinery lying idle in those manufactories in which work during the day, and whose buildings, machinery, raw material, the name of all the Sandersons: 'It is true that there is this loss therefore lie 'idle' during the night? E. F. Sanderson answers in a privilege not enjoyed by the other capitalists who only work double the outlay.' But why should these Sandersons pretend to we should have to double our premises and plant, which would the amount of work which we are able to do on the present system, expensive machinery, lying idle half the time, and to get through the Sandersons. 'But then there would be the loss from so much lose their character as capital, and are therefore a pure loss for

short sleep is obviously liable to be broken by a boy having to wake himself sary for young boys, especially at such hot and fatiguing work . . . Even the rest, and none for fresh air and play, unless at the expense of the sleep neceswork, washing, dressing, and meals, leaving a very short period indeed for and out of this has to come the time spent in coming and going to and from enough quiet time to eat their meals at ease, with a little rest afterwards for digestion' (ibid., p. xlv). And this in 1865, 'the year of progress'! Without considering the strength expended in lifting and carrying, these children, in hours is the utmost unbroken period ever attained at any one time for rest 6-hour shift system is in force. 'During the working part of the week six hours! In many of these glass works, as in the Moscow spinning mills, the 6 hours, performing their work continuously. And it often lasts for 14 or 15 the sheds where bottle and flint glass are made, walk 15 to 20 miles in every on in glass-houses throughout the kingdom from growing boys not having seems likely not equal in money-value to the waste of animal power now going might also be going to waste, if meal-times were secured in these cases, but it in human lives! 'A certain amount of heat beyond what is usual at present in the expenditure of their money, and by their Timurlane-like 'prodigality' moved by the 'abstinence', the 'self-denial' and the 'saving' of the capitalists Ure, Senior etc., and their puny German imitators, like Roscher, who are quantity of heat, radiated by the furnaces. His answer is quite unlike that of impossible because this would lead to a 'pure loss' or a 'waste' of a certain manufacturers, who maintain that 'regular meal-times' for the children are Commissioner White has an answer to similar tender scruples of the glass 71. Children's Employment Commission, Fourth Report, 1865, 85, p. xvii.

5. THE STRUGGLE FOR A NORMAL WORKING DAY. LAWS FOR THE COMPULSORY EXTENSION OF THE WORKING DAY, FROM THE MIDDLE OF THE FOURTEENTH TO THE END OF THE SEVENTEENTH CENTURY

worker is nothing other than labour-power for the duration of his of the few hours of rest without which labour-power is absolutely amount of labour-time necessary for the reproduction of labourpaid for? How far may the working day be extended beyond the capital may consume the labour-power whose daily value it has capital. Time for education, for intellectual development, for the whole life, and that therefore all his disposable time is by nature and incapable of renewing its services. Hence it is self-evident that the power itself?' We have seen that capital's reply to these questions is growth, development and healthy maintenance of the body. It steals surplus labour, capital oversteps not only the moral but even the ness! But in its blind and measureless drive, its insatiable appetite for Sunday (and that in a country of Sabbatarians!)72 - what foolishby right labour-time, to be devoted to the self-valorization of this: the working day contains the full 24 hours, with the deduction 'What is a working day? What is the length of time during which merely physical limits of the working day. It usurps the time for play of the vital forces of his body and his mind, even the rest time of fulfilment of social functions, for social intercourse, for the free

if it is night, or by the noise, if it is day.' Mr White gives cases where a boy worked for 36 consecutive hours, and others where boys of 12 drudged on until 2 in the morning, and then slept in the works till 5 a.m. (3 hours!) only to resume their work. 'The amount of work,' say Tremenheere and Tufnell, who drafted the general report, 'done by boys, youths, girls, and women, in the course of their daily or nightly spell of labour, is certainly extraordinary' (ibid., pp. xliii and xliv). Meanwhile, late at night perhaps, Mr Glass-Capital, stuffed full with abstinence, and primed with port wine, reels home from his club, droning out idiotically 'Britons never, never shall be slaves!'

72. In England even now in rural districts a labourer is occasionally condemned to imprisonment for desecrating the Sabbath by working in his front garden. The same man would be punished for breach of contract if he remained away from his metal, paper or glass works on Sunday, even on account of some religious foible. The orthodox Parliament will entertain no complaint of Sabbath-breaking if it occurs in the 'process of valorization' of capital. A petition of August 1863 in which the London day-labourers in fish and poultry shops asked for the abolition of Sunday labour states that their work lasts an average of 16 hours a day for the first 6 days of the week, 8 to 10 hours on Sunday. We also learn from this petition that the delicate gourmands among

it of its fertility. as a greedy farmer snatches more produce from the soil by robbing objective by shortening the life of labour-power, in the same way power that can be set in motion in a working day. It attains this What interests it is purely and simply the maximum of labour-Capital asks no questions about the length of life of labour-power. may be, which determines the limits of the workers' period of rest labour-power, no matter how diseased, compulsory and painful it day here, but rather the greatest possible daily expenditure of ance of labour-power which determines the limits of the working an absolutely exhausted organism. It is not the normal maintenvital forces to the exact amount of torpor essential to the revival of sleep needed for the restoration, renewal and refreshment of the worker as to a mere means of production, as coal is supplied to the into the production process itself, so that food is added to the boiler, and grease and oil to the machinery. It reduces the sound the time required for the consumption of fresh air and sunlight. It haggles over the meal-times, where possible incorporating them

By extending the working day, therefore, capitalist production, which is essentially the production of surplus-value, the absorption of surplus labour, not only produces a deterioration of human labour-power by robbing it of its normal moral and physical conditions of development and activity, but also produces the premature exhaustion and death of this labour-power itself.<sup>73</sup> It

the aristocratic hypocrites of Exeter Hall\* particularly encourage this 'Sunday labour'. These 'saints', so zealous in cute curanda,† show they are Christians by the humility with which they bear the over-work, the deprivation and the hunger of others. Obsequium ventris istis (the workers') perniciosius est.‡

73. 'We have given in our previous reports the statements of several experienced manufacturers to the effect that over-hours . . . certainly tend prematurely to exhaust the working power of the men' (op. cit., 64, p. xiii).

\*A large hall on the north side of the Strend built in the control of the control

A large hall on the north side of the Strand, built in 1831, and pulled down in 1907. It was used throughout its existence for meetings by religious bodies of various kinds, but especially by the Church Missionary Society. 'Exeter Hall' was in Marx's time a shorthand expression for that tendency among the English ruling classes which stood for the extension of English power in Same time stamping out the slave trade. It is associated with the name of Wilberforce.

†'In attending to their bodily pleasures' (Horace, Episiles, 1, 2, 29).

+ Horace's actual words were.

thorace's actual words were: 'obsequium ventris mihi perniciosius est cur?' ('why is gluttony more ruinous to my stomach?'). Hence, here, 'gluttony is more ruinous to their (the workers') stomachs'. (Horace, Satires, Bk II, Satire 7, line 104.)

extends the worker's production-time within a given period by shortening his life.

modities necessary for the reproduction of the worker, for continuing the existence of the working class. If then the unnatural extension of the working day, which capital necessarily strives for in its unmeasured drive for self-valorization, shortens the life of the individual worker, and therefore the duration of his labour-power, the forces used up have to be replaced more rapidly, and it will be machine, where the part of its value that has to be reproduced daily grows greater the more rapidly the machine is worn out. It would seem therefore that the interest of capital itself points in the direction of a normal working day.

which, under a natural system, afford some security for humane of human life which the cultivation of these districts necessitates, is may be fatally injurious to the human constitution; but the waste replace by fresh expenditure on the slave-market. But take note of horse. If he loses his slave, he loses a piece of capital, which he must can at once be supplied from foreign preserves, the duration of his servation, when once trading in slaves is practised, become reasons treatment by identifying the master's interest with the slave's prenot so great that it cannot be repaired from the teeming preserves of this: 'The rice-grounds of Georgia, or the swamps of the Mississippi, and whose planters are princes, that we see in the servile class, the of plantations, that negro life is most recklessly sacrificed. It is the tropical culture, where annual profits often equal the whole capital utmost amount of exertion it is capable of putting forth. It is in takes out of the human chattel in the shortest space of time the Virginia and Kentucky. Considerations of economy, moreover, coarsest fare, the most exhausting and unremitting toil, and even of fabulous wealth, that has engulfed millions of the African race. agriculture of the West Indies, which has been for centuries prolific importing countries, that the most effective economy is that which it lasts. It is accordingly a maxim of slave management, in slavefor racking to the uttermost the toil of the slave; for, when his place the absolute destruction of a portion of its numbers every year.'74 It is in Cuba, at this day, whose revenues are reckoned by millions, life becomes a matter of less moment than its productiveness while The slave-owner buys his worker in the same way as he buys his

74. Cairnes, op. cit., pp. 110-11.

English race, and I believe I may safely say that during that period it has destroyed nine generations of factory operatives. 776 existed for ninety years . . . It has existed for three generations of the people. 75 In 1861 the population of the urban centres alone of this of Commons that the whole trade employed from 15,000 to 20,000 industry in Great Britain numbered 101,302. "The cotton trade has potters? Josiah Wedgwood, the inventor of modern pottery, and with the lowest life-expectancy. Does this lead to any shortage of in the bakeries. Pottery, as we saw, is one of the branches of industry himself an ordinary worker by origin, said in 1785 before the House always over-stocked with German and other candidates for death many. We have heard how over-work has thinned the ranks of the bakers in London. Nevertheless, the London labour-market is tural districts of England, Scotland and Wales, for Africa, Gerlabour-market, for Kentucky and Virginia, Ireland and the agricul-Mutato nomine de te fabula narratur.\* For slave trade, read

system had grown up into a regular trade. This House will hardly many of them were found on the way lost and half-starved. This goods, by canals, or with carriers, others tramping on the road, and warded to Manchester, and they were sent, ticketed like bales of their "wants required", they gave instructions to have them forsuch persons as they chose; when they had selected such persons as in books. The manufacturers attended at these offices, and selected tural districts wanting employment, and their names were registered chester, to which lists were sent of those workpeople in the agriculof the Poor Law Commissioners . . . An office was set up in Manabsorb and use it up. 77 Agents were appointed with the consent the north, with the explanation 'that the manufacturers would should send the 'surplus population' of the agricultural districts to manufacturers proposed to the Poor Law Commissioners that they epochs of feverish expansion. In 1834 for example. But then the Admittedly the labour-market shows significant gaps in certain

76. Ferrand's\* speech in the House of Commons, 27 April 1863. 75. John Ward, The Borough of Stoke-upon-Trent, London, 1843, p. 42.

77. 'Those were the very words used by the cotton manufacturers' (op. cit.).

Act. M.P. between 1841 and 1847, and between 1863 and 1866. the Factory Acts. He played an important part in passing the 1847 Factory "Oastlerite" Tory, who agitated against the Poor Law of 1834 and in favour of \*William Busfeild Ferrand, of Keighley in Yorkshire (1809-89), An

again found that they were short of hands . . . They applied to the as slaves are sold to the cotton-grower in the United States ... In believe it, but I tell them, that this traffic in human flesh was as well sought in vain. The surplus population was "absorbed". downs of England, to the pastures of Dorsetshire, to the glades of "flesh agents", as they are called. Those agents sent to the southern kept up, they were in effect as regularly sold to these manufacturers Devonshire, to the people tending kine in Wiltshire, but they 1860, the cotton trade was at its zenith. . . . The manufacturers

After the 'flesh agents and sub-agents' had vainly combed through be absorbed by Lancashire, and that 30,000 or 40,000 will be needed? Anglo-French commercial treaty, \* '10,000 additional hands could waited on the right hon. gentleman (Mr Villiers, President of the the agricultural districts 'a deputation came up to London, and tain union houses for the mills of Lancashire'. 78 Poor Law Board) with a view of obtaining poor children from cer-The Bury Guardian lamented that, after the conclusion of the

authorities for a certain period. He fed, clothed and lodged the children, and of this system in respect to a number of girls and young women brought from law boards. Mr A. Redgrave, inspector of factories, assures us that this time nevertheless achieved their aims owing to the complaisance of the local poor 'legally' obliged to refuse the requests of the manufacturers. These gentlemen gave them a small allowance of money. The following remark by Mr Redthis 'system' the manufacturer entered into a contract with the workhouse the agricultural districts of Scotland into Lancashire and Cheshire'. Under 'abuses' see Engels, op. cit.), although in one case there certainly was 'abuse 'legally' as apprentices 'was not accompanied with the old abuses' (on these the system under which orphans and the children of paupers were treated extraordinary demand for labour had to contend with the depopulation of quite unparalleled, even among the years of prosperity of the English cotton grave sounds very peculiar, especially if we consider that the year 1860 was of some of the English agricultural districts, resulting partly from a collapse trade, and that, apart from this, wages were exceptionally high. For this procured, for it is a high-priced labour. The ordinary wages of a boy of 13 Redgrave says: 'This kind of labour, however' (i.e. the labour of the poordisposable population by the dealers in human flesh. Despite all this, Mr successfully attained, and partly from the already completed dispersal of the of the workers' powers of reproduction, which was deliberately aimed at and districts to Australia and America, and with an actual fall in the population Ireland, with unequalled emigration from the English and Scottish agricultural house children) 'would only be sought after when none other could 78. op. cit. Mr Villiers, despite the best of intentions on his part, was

Satire 1). \*'The name is changed, but the tale is told of you!' (Horace, Satires, Bk I,

bet ween Britain and France were lowered on both sides. \*The Anglo-French Treaty of Commerce of 1860, by which tariff barriers

What experience generally shows to the capitalist is a constant excess of population, i.e. an excess in relation to capital's need for valorization at a given moment, although this throng of people is made up of generations of stunted, short-lived and rapidly replaced human beings, plucked, so to speak, before they were ripe. And indeed, experience shows to the intelligent observer how rapidly and firmly capitalist production has seized the vital forces of the people at their very roots, although historically speaking it hardly of the industrial population is retarded only by the constant absorption of primitive and natural elements from the countryside, and principle of natural selection that works so powerfully amongst them, and permits the survival of only the strongest individuals, are already beginning to die off. 60 Capital, which has such 'good'

ordinate to that of the English operative' (Reports of the Inspectors of Factories lives upon his coarse fare, and works hard, wherein his position is suband to supply the slender comforts to which he has been accustomed . . . worker: 'He receives a remuneration sufficient to procure the simple fare, employed at his own loom in his own house, his labour is not restricted to even those additional hours' (Reports of the Inspectors of Factories . . . 31 investigate factory conditions there. He says this of the Prussian factory travelled on the Continent, particularly in France and Germany, in order to October 1855, p. 103). After the Industrial Exhibition of 1851 Redgrave labours at least ten hours per week more than his English competitor, and if the man who shares his fate on the Continent. 'The Prussian factory operative model industry. The English cotton worker is in every respect better off than would be about 4s, per week, but to lodge, to clothe, to feed, and to provide medical attendance and proper superintendence for 50 or 100 of these boys, and to set aside some remuneration for them, could not be accomplished for 1850, with its regulation of working hours etc., must be regarded as England's that the English cotton industry, after being placed under the Factory Act of together. To guard against false conclusions from the text, I should add here cannot do it for the 50 or 100 children lodged, boarded and superintended all all this for his children out of their 4s. a week wages, when the manufacturer 1860, p. 27). Mr Redgrave forgets to tell us how the worker himself can do 4s. a head per week' (Reports of the Inspectors of Factories . . . 30 April 31 October 1853, p. 85).

79. The over-worked 'die off with strange rapidity; but the places of those who perish are instantly filled, and a frequent change of persons makes no alteration in the scene' (England and America, London, 1833, Vol. 1, p. 55. Author E. G. Wakefield).

80. See Public Health. Sixth Report of the Medical Officer of the Privy Council, 1863, published in London, 1864. This report deals particularly with the agricultural labourers. 'Sutherland ... is commonly represented as a

and as little by the sight of the coming degradation and final derounding it, allows its actual movement to be determined as much reasons' for denying the sufferings of the legions of workers sursome time or other the crash must come, but everyone hopes that it into the sun. In every stock-jobbing swindle everyone knows that population of the human race, as by the probable fall of the earth answer to the outcry about the physical and mental degradation, nation. Capital therefore takes no account of the health and the déluge! is the watchword of every capitalist and of every capitalist the shower of gold and placed it in secure hands. Après moi le may fall on the head of his neighbour, after he himself has caught on the will, either good or bad, of the individual capitalist. Under pain trouble us, since it increases our pleasure (profit)? \* But lookthe premature death, the torture of over-work, is this: Should that length of life of the worker, unless society forces it to do so.81 Its ing at these things as a whole, it is evident that this does not depend front the individual capitalist as a coercive force external to him. 82 free competition, the immanent laws of capitalist production con-

highly improved county . . . but . . . recent inquiry has discovered that even there, in districts once famous for fine men and gallant soldiers, the inhabitants have degenerated into a meagre and stunted race. In the healthiest situations, on hill sides fronting the sea, the faces of their famished children are as pale as they could be in the foul atmosphere of a London alley' (W. T. Thornton, Over-Population and Its Remedy, op. cit., pp. 74, 75). They resemble in fact the 30,000 'gallant Highlanders' whom Glasgow herds together with prostitutes and thieves in its wynds and closes.

81. 'But though the health of a population is so important a fact of the national capital, we are afraid it must be said that the class of employers of labour have not been the most forward to guard and cherish this treasure... The consideration of the health of the operatives was forced upon the millowners' (The Times, 5 November 1861). 'The men of the West Riding became the clothiers of mankind... the health of the workpeople was sacrificed, and the race in a few generations must have degenerated. But a reaction set in. Lord Shaftesbury's Bill limited the hours of children's labour, etc' (Twenty-Second Annual Report of the Registrar-General, 1861).

82. We therefore find, for example, that at the beginning of 1863 twenty-six firms owning extensive potteries in Staffordshire, including Josiah Wedgwood & Sons, presented a petition for 'some legislative enactment'. Competition with other capitalists, they said, did not allow them to limit the hours worked by children voluntarily, etc. 'Much as we deplore the evils before mentioned, it would not be possible to prevent them by any scheme

<sup>\*&#</sup>x27;Sollte jene Qual uns qualen, da sie unsre Lust vermehrt?' (Goethe, 'An Suleika', from West-östlicher Diwan, Bk VII, 1815).

What has now been proclaimed, for instance in the State of Masa barrier to the transformation of children's blood into capital. of the nineteenth century, the state has here and there interposed as the same length as the shorter working day which, in the second half on adult workers by acts of state power from the middle of the fourteenth to the end of the seventeenth century is approximately of natural that the longer working day which capital tried to impose of subsistence, to sell his birthright for a mess of pottage. Hence it is capacity for labour, in return for the price of his customary means by social conditions to sell the whole of his active life, his very mode of production, makes a voluntary agreement, i.e. is compelled 'free' worker, owing to the greater development of the capitalist willingly, in its adult condition. Centuries are required before the parison with the concessions it has to make, complainingly and unstate - its pretensions in this situation appear very modest in comquantity of surplus labour, but must be aided by the power of the of economic relations to secure its right to absorb a sufficient state, in its state of becoming, when it cannot yet use the sheer force to lengthen it. Of course, the pretensions of capital in its embryonic pulsorily shorten the working day, the earlier statutes tried forcibly the middle of the eighteenth. 83 While the modern Factory Acts com-English Labour Statutes from the fourteenth century to well into history of this struggle displays two opposite tendencies. Compare, for example, the English factory legislation of our time with the turies of struggle between the capitalist and the worker. But the The establishment of a normal working day is the result of cen-

system, and promised them monetary contributions for the purpose! small employers. Thereupon the latter, in their hour of need, turned to the factory workers, urged them to mount a serious agitation for the 9-hour extend their own business and thus make great profits at the expense of the spinning with weaving, used the fall in production following this agreement to November 1871. Meanwhile, the wealthier manufacturers, who combined of the price of cotton, during a period of feverish activity, induced the manufixed period, by mutual consent. This period expired at around the end of facturers of Blackburn to shorten the hours worked in their mills for a certain is wanted' (Children's Employment Commission, First Report, 1863, p. 322). consideration, we have come to the conviction that some legislative enactment The recent past [1873] offers a much more striking example. The high level of agreement between the manufacturers ... Taking all these points into

in England in 1813, when they had long since been set aside by the relations Netherlands, and elsewhere at the same epoch) were first formally repealed 83. These Labour Statutes (which had their counterparts in France, the

> sachusetts, until recently the freest state of the North American and gigantic blacksmiths.84 normal working day of able-bodied artisans, robust ploughmen was in England, even in the middle of the seventeenth century, the republic, as the statutory limit of the labour of children under 12,

meate', i.e. exactly twice as much as under the Factory Acts now in for breakfast, 1½ hours for dinner, and half an hour for 'noonwas never enforced. The meal-times, however, consisted of I hour 5 in the morning to between 7 and 8 in the evening, although this field labourers from March to September was supposed to last from (Henry VII). The working day for all craftsmen ('artificers') and only one that interests us here, is repeated in the Statute of 1496 law as well as the limits of the working day. The latter point, the be quite intolerable. 185 Reasonable wages were therefore fixed by a reasonable quantity of surplus labour) grew to such a height as to to work on reasonable terms' (i.e. at a price that left their employers lation, so that, as a Tory writer says, 'The difficulty of getting men its pretext by centuries) in the great plague that decimated the popuimmediate pretext (not its cause, for legislation of this kind outlives force. 86 In winter, work was to last from 5 in the morning until The first 'Statute of Labourers' (23 Edward III, 1349) found its

attained the age of 12 years, and is under the age of 15 years, shall be emmore than 10 hours in any day, or 60 hours in any week; and that hereafter after no minor engaged in any factory shall be holden or required to work woollen, silk, paper, glass, and flax factories, or in manufactories of iron and establishment more than 10 hours in one day (General Statutes of Massa-chusetts, 63, Ch. 12. These statutes were passed between 1836 and 1858.) no minor shall be admitted as a worker under the age of 10 years in any brass, shall be considered a legal day's labour. And be it enacted, that here-Labour performed during a period of 10 hours in any day in all cotton, day, nor before 5 o'clock in the morning, nor after 7.30 in the evening Labour, etc., paras. 1 and 2. Law of 18 March 1851). 'No minor who has factory within this State' (State of New Jersey. An Act to Limit the Hours of (Revised Statutes of the State of Rhode Island, etc., Ch. 139, para. 23, 1 July ployed in any manufacturing establishment more than 11 hours in any one 84, 'No child under 12 years of age shall be employed in any manufacturing

9th edn, p. 253. This same Tory, moreover, admits that 'Acts of Parliament and really became, unnecessary and burdensome" (op. cit., p. 206). regulating wages, but against the labourer and in favour of the master, lasted for the long period of 464 years. Population grew. These laws were then found 85. [J. B. Byles], Sophisms of Free Trade, 7th edn, London, 1850, p. 205

above" (i.e. with regard to the Statute of 1496) 'it appears that in 1496 the liet was considered equivalent to one-third of the income of an artificer and 86. On this statute, J. Wade remarks correctly: 'From the statement

and then they naturally require a long time - seven years - to be least to 'something of employment', 88 praised, because the children there are educated from their cradle at formed into complete craftsmen.'\* Germany, on the other hand, is England, do absolutely nothing before they come to be apprentices, century, is shown by the following complaint: 'Our youth, here in with respect to child labour, even at the end of the seventeenth and mentioned by Petty apply also to apprentices. But the situation darkness? It is true that the regulations contained in the statutes might be raised. 187 Was Dr Andrew Ure not right when he deplored working to more, and spending to less, the above-mentioned tax the Twelve Hours' Bill of 1833 as a retrogression to the age of and an half, whereas they take two, from eleven to one; thereby thus plain, that if they could fast on Friday nights, and dine in one hour three a day for working days, and two on Sundays; whereby it is 'Labouring men' (the meaning then was 'agricultural labourers') work he published in the last third of the seventeenth century: economy, and to some extent the founder of statistics, says in a work ten hours per diem, and make twenty meals per week, viz., than in the statute-book. William Petty, the father of political however, the conditions were much more favourable to the labourers hour of absence 1d. is to be subtracted from the wage. In practice, between the middle of May and the middle of August. For every hour, and the 'afternoon-sleep of half an hour' is only allowed hours in the summer and 2 in the winter. Dinner is to last only 1 weekly wages' untouched, but seeks to limit the intervals to 21 the length of the working day for all labourers 'hired for daily or dark, with the same intervals. A statute of Elizabeth of 1562 leaves

most superficial glance at Bishop Fleetwood's Chronicon Preciosum (1st edn, between the relative prices of food and clothing then and now is refuted by the proportion of their wages' (J. Wade, History of the Middle and Working London, 1707; 2nd edn, London, 1745). both of labourers and artificers, would now be reckoned at a much higher Classes, pp. 24-5, 577). The opinion that this difference is due to the difference pendence among the working-classes than prevails at present; for the board, one-half the income of a labourer, which indicates a greater degree of inde

London, 1690, p. 13. Macaulay, who has falsified English history in the [This page reference is actually to the supplement, Verbum Sapienti.] 87. W. Petty, Political Anatomy of Ireland, 1672, edition of 1691, p. 10. 88. A Discourse on the Necessity of Encouraging Mechanick Industry,

epoch of large-scale industry, capital in England had not succeeded the same reputation as similar works by MacCulloch and Macbetween Postlethwayt,\* whose Dictionary of Trade then enjoyed defended the workers. Let us listen for example to the polemic denounced this obstinacy in the most violent manner, another party days. One party of English economists, in the service of capital, sufficient reason for working for the capitalist for the other two on the wage of four days did not appear to the workers to be a formed an exception.) The fact that they could live for a whole week value of his labour-power. (The agricultural labourers, however, in gaining control of the worker's whole week by paying the weekly Still, during the greater part of the eighteenth century, up to the

Macaulay, up to the time of Adam Smith. It is true that with the rise of manufacture [Manufaktur] as opposed to handicrafts [Handwerk], traces of a child of four was employed, and that this example of 'applied virtue' seventeenth century recount with 'exultation' how in a workhouse in Holland remedies them' (History of England, Vol. 1, p. 417). Macaulay might have reported further that 'extremely well-disposed' friends of commerce in the social evils . . . That which is new is the intelligence and the humanity which more carefully we examine the history of the past, the more reason shall we city, boys and girls of very tender age create wealth exceeding what was eminently benevolent, mention with exultation the fact that in that single Several writers of that time, and among them some who were considered as facturing system, seems almost incredible. At Norwich, the chief seat of the century to an extent which, when compared with the extent of the manuof setting children prematurely to work ... prevailed in the seventeenth interest of the Whigs and the bourgeoisie, declaims as follows: 'The practice phant and fine talker, Macaulay, says: 'We hear today only of retrogression posterity by the far-seeing 'friends of commerce'. This same Scottish sycoand remarkable, and recommended as models for their own time and for able; but the facts themselves are as isolated as the phenomenon of a twothe yoke pressing on the countryman. The tendency of capital is unmistaka certain extent among the peasants, and was the more developed, the heavier the exploitation of children begin to appear. This exploitation always existed to accepted as adequate evidence in all the writings of humanitarians à find to dissent from those who imagine that our age has been fruitful of new necessary for their own subsistence by twelve thousand pounds a year. The clothing trade, a little creature of six years old was thought fit for labour. and see only progress.' What eyes, and above all, what ears! headed baby. Hence they were noted with 'exultation' as especially peculiar

chronological order, these are Handwerk (handicrafts), Manufaktur (manufacture) and large-scale industry (die grosse Industrie). \*Marx distinguishes between three forms of industrial organization. In

indicated in n. 88. \*This is not strictly a quotation, but a compressed version of the text

<sup>\*</sup>Malachy Postlethwayt (1707-67), English economist.

degenerate below the Frenchmen. As our people are famed for much work in four days as a Frenchman will in five or six. But if eternal slavery?...And what sort of workmanship could we expect Englishmen are to be eternal drudges, 'tis to be feared they will from such hard-driven animals? . . . Many of them will execute as our workmen lose their reputation instead of maintaining it by such render them stupid instead of alert and dexterous; and might not repetition of the same work, might it not blunt their ingenuity, and liged to toil the year round, the whole six days in the week, in a relaxation of the working people in their own way. Were they ob-What has this been owing to? To nothing more probably than the and dexterity of her working artists and manufacturers which have work and no play. Have not the English boasted of the ingenuity working people of this kingdom; they forget the vulgar adage, all heretofore given credit and reputation to British wares in general? great politicians, who contend for the perpetual slavery of the without ceasing. I must beg leave to differ in sentiment from those artisan and manufacturer to labour the whole six days in the week, made dear by taxes, or any other means, to compel the working Whence they infer the necessity of even the necessaries of life being to maintain themselves in five days, they will not work the whole six. mouth of too many; that if the industrious poor can obtain enough these few observations, without noticing that trite remark in the Postlethwayt says among other things: 'We cannot put an end to

writers of the time, including, among others, Josiah Tucker, 2nd edn, London, 1759. The facts themselves are confirmed by many other merce and in his Great Britain's Commercial Interest Explained and Improved, himself, both in a supplement to his Universal Dictionary of Trade and Com-Price of Provisions, London, 1767; Dr Price; and in particular Postlethwayt Rev. Nathaniel Forster, D.D., in An Enquiry into the Causes of the Present High are: Jacob Vanderlint, in Money Answers All Things, London, 1734; the is on the same side of the fence.\* The foremost of the defenders of the workers speakable statistical prattler Arthur Young, the Polonius of political economy, matter in his earlier work, Considerations on Taxes, London, 1765. That un-89. The most ferocious of the accusers of the workers is the anonymous author of An Essay on Trade and Commerce, Containing Observations on Taxes, etc., London, 1770, quoted above. He had already touched on the

\*In his Political Arithmetic, London, 1774.

Smith in political economy and wrote in favour of American independence †Josiah Tucker (1712-99), Dean of Gloucester, was a forerunner of Adam

> and liberty to direct themselves in their own way, and I hope we spirit of liberty? And why may not the superior ingenuity and dexbravery in war, do we not say that it is owing to good English roast labouring poor, 91 but the Dutch do this in manufactures, and appear week is no slavery. Our labouring people' [i.e. the agricultural enough to make it appear that the moderate labour of six days in a money to live idle with the rest of the week . . . I hope I have said manufacturing worker], 'who labours four days, has a surplus of proportion to the price of necessaries . . . the manufacturer' [i.e. the of wheat should cost but four shillings, he would be obliged to work and that he' (the worker) 'earns a shilling a day by his labour, he wheat, or suppose that . . . the bushel of wheat shall cost five shillings of the poor under one denomination; for instance, call them all unless provisions happen to be very dear . . . Put all the necessaries lace, who do not labour, upon an average, above four days in a week, perience to be true, from the conduct of our manufacturing popugeneral, are naturally inclined to ease and indolence, we fatally exit will not be thought cruel to enforce it . . . That mankind in six days to labour' (he means capital, as we shall soon see) 'surely to be of divine institution, as it implies the appropriating the other replies: 'If the making of every seventh day an holiday is supposed proceed." To this the author of the Essay on Trade and Commerce living from whence their ingenuity no less than their courage may shall never have them deprived of such privileges and that good terity of our artists and manufacturers be owing to that freedom beef and pudding in their bellies, as well as their constitutional it may affect the bravery of our troops, may be of some use; but the independent than in any country in Europe. Now this idea, as far as Englishmen they enjoy a birthright privilege of being more free and intervene. 92 But our populace have adopted a notion, that as to be a very happy people. The French do so, when holidays do not labourers] 'do this, and to all appearance are the happiest of all our but four days; but as wages in this kingdom are much higher in then would be obliged to work five days only in a week. If the bushel less the manufacturing poor have of it, certainly the better for them-

90. Postlethwayt, op. cit., 'First Preliminary Discourse', p. 14.

always upon the stretch, they cannot live cheaper than they do, nor work 91. An Essay, etc. On p. 96 he himself tells us what the 'happiness' of the English agricultural labourer in 1770 actually consisted in. 'Their powers are

working days, played an important part in the genesis of capital. 92. Protestantism, by changing almost all the traditional holidays into Republic'. 96 At Zurich the work of children over 10 is limited to is the one good that has remained to us of the legislation of the out with one voice 'the law that limits the working day to 12 hours tampering with the legal working day, the people of France cried seemed to have dawned for English industry! In 1852, when Louis Bonaparte sought to secure his position with the bourgeoisie by of Terror' of 1770! 63 years later, in 1833, when the English Parliafull hours, in four branches of industry, the Day of Judgement ment reduced the working day for children of 13 to 18 years to 12 Twelve working hours a day in the 'Ideal Workhouse', the 'House

stead of four for the same wages, of the working people was simply this, that they claimed six days' labour inas early as 1734 that the secret of the capitalists' complaints about the laziness 93. An Essay, etc., pp. 15, 41, 96, 97, 55, 57, 69. Jacob Vanderlint declared

94. ibid., pp. 242-3.

liberty' (ibid., p. 78). 95. ibid., p. 260. 'The French,' he says, 'laugh at our enthusiastic ideas of

France was without a definite limit. It lasted 14, 15 or more hours in the holds in all workshops without exception. Before this law, the working day in bourgeois edition of the Provisional Government's decree of 2 March 1848, October 1855, p. 80). The French Twelve Hours' Bill of 5 September 1850, a the law which fixed those hours, is the only good which remains to them of the legislation of the Republic' (Reports of the Inspectors of Factories ... 96. 'They especially objected to work beyond the 12 hours per day, because

> gress since 1770,' Macaulay might shout 'with exultation'. between 14 and 16, the same reduction was made. 97 'What pro-16 was reduced from 12½ to 12 hours; in Austria in 1860, for children 12 hours; in Aargau in 1862, the work of children between 13 and

shadow compared with the reality. self. It was called the factory. And this time the ideal was a pale the shape of a gigantic 'workhouse' for the industrial worker himcapitalist mind in 1770, was brought into being a few years later in The 'House of Terror' for paupers, only dreamed of by the

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normal maximum limit, and then beyond this to the limit of the natural day of 12 hours, 98 there followed, with the birth of large-After capital had taken centuries to extend the working day to its

been given the task of inquiring into the condition of the working class by the factories. See Des classes ouvrières en France, pendant l'année 1848, by Monsieur Blanqui, M. Blanqui, the economist, not the revolutionary, had

was made to any legislation in contradiction with the principle of complete the last three years, intended in every session to propose a bill on the subject, but always found an insuperable obstacle in the jealous opposition which freedom of labour. potentiary at Brussels,\* reported to the Foreign Office on 12 May 1862: the regulation of the working day. Lord Howard de Walden, English Pleniby a general law nor by any local regulations; that the Government, during M. Rogier, the minister, informed me that children's labour is limited neither 97. Belgium has proved itself to be the model bourgeois state in regard to

working classes, without intermission, from the early age of 13, and in trades admit that, in a moral point of view, so entire an absorption of the time of the and returning from their work, amounts, in fact, to 14 of the 24 hours ... a reasonable enjoyment of life, it is much to be desired that in all trades some of bringing up an orderly population, and of giving the great body of the people is an evil greatly to be deplored . . . For the sake, therefore, of public morals not subject to restriction, much younger, must be extremely prejudicial, and toil 12 hours a day, which, including the time for their meals and for going to Without entering into the question of health, no one will hesitate, I think, to Horner, in Reports of the Inspectors of Factories . . . 31 December 1841).

\*Charles Augustus Ellis, Lord Howard de Walden and Seaford (1799portion of every working day should be reserved for rest and leisure' (Leonard 98. 'It is certainly much to be regretted that any class of persons should

1868), diplomat. Minister Plenipotentiary at Brussels from 1846 to 1868

night. 99 Capital was celebrating its orgies. judge, as late as 1860, needed the penetration of an interpreter of were of peasant simplicity, became so confused that an English the Talmud to explain 'judicially' what was day and what was down. Even the ideas of day and night, which in the old statutes set by morality and nature, age and sex, day and night, was broken scale industry in the last third of the eighteenth century, an avalanche of violent and unmeasured encroachments. Every boundary

worked all night, all day, or both ad libitum.'2 that prior to the Act of 1833, young persons and children were official personnel, etc.1 They remained a dead letter. 'The fact is, penny for their compulsory implementation, for the necessary between 1802 and 1833, but was shrewd enough not to vote a mained purely nominal. Parliament passed five Labour Laws the concessions wrung from industry by the working class reto some extent, it began to offer resistance, first of all in England, turmoil of the new system of production, had recovered its senses the native land of large-scale industry. For three decades, however, As soon as the working class, stunned at first by the noise and

history of English factory legislation from 1833 to 1864. Factory Act of 1833, which included cotton, wool, flax and silk factories. Nothing characterizes the spirit of capital better than the A normal working day for modern industry dates only from the

young persons (i.e. persons between 13 and 18 years of age), at any and within these limits, a period of 15 hours, it is lawful to employ time of the day, provided that no one individual young person works should begin at 5.30 in the morning and end at 8.30 in the evening, The Act of 1833 lays down that the ordinary factory working day

Antrim, 1860. 99. See Judgment of Mr J. H. Otway, Belfast. Hilary Sessions, County

until the Revolution of 1848 Louis Philippe's law stood alone amid the allembracing network of French legislation. acteristic of the development of French society in general is the fact that where even the mice are administered by the police, is left to the goodwill of of 8 years. The supervision and enforcement of this law, in a country and 16, etc., with many exceptions which allow night-work even for children the Nord - has a paid government inspector been appointed. Not less charthe 'friends of commerce'. Only since 1853, and in one single department -8 hours a day for children between 8 and 12, 12 hours for children between 12 was never put into force. And this law only dealt with child-labour. It fixed that the one Factory Act passed during his reign, that of 22 March 1841, It is very characteristic of the regime of Louis Philippe, the bourgeois king,

2. Reports of the Inspectors of Factories . . . 30 April 1860, p. 50,

all persons between 9 and 18. and 13 was limited to 8 hours a day; night-work, i.e., according to mentioned later, was forbidden; the work of children between 9 provided.' The employment of children under 9, with exceptions shall be allowed in the course of every day not less than one and a provided for. The sixth chapter of the Act provided: 'That there more than 12 hours in any one day, except in certain cases especially this Act, work between 8.30 p.m. and 5.30 a.m., was forbidden for half hours for meals to every such person restricted as hereinbefore

order to prevent the Factory Acts from having such a frightful it, 'the freedom of labour', that they created a special system in freedom of capital to exploit adult labour-power, or, as they called The law-makers were so far from wishing to interfere with the

a.m. until 1.30 p.m., another set from 1.30 p.m. until 8.30 p.m., children of between 9 and 13 years were put into harness from 5.30 'plan' was therefore carried out, so that, for example, one set of changing of the post-horses at each different halting-place), this of continuing the labour of children to the utmost length of that of says the first report of the Central Board of the Commission, on greater than that which is sought to be remedied, appears to be the 28 June 1833, 'has appeared to us to be that it entails the necessity plan of working double sets of children.'\* Under the name of the the labour of adults, which would, in our opinion, create an evil the adults. The only remedy for this evil, short of the limitation of system of relays' ('relay' means, in English as also in French, the 'The great evil of the factory system as at present conducted,

during the previous twenty-two years, the pill was yet further Sir C. Bell, Mr Guthrie etc., in a word, the most distinguished factory. This 'liberalism', so full of consideration for 'capital', was child under 11, after 1 March 1835 no child under 12, and after gilded for them. Parliament decreed that after 1 March 1834 no impudent way, ignored all the Acts relating to child labour passed physicians and surgeons in London, had declared in their evidence the more noteworthy in that Dr Farre, Sir A. Carlisle, Sir B. Brodie, 1 March 1836 no child under 13 was to work more than 8 hours in a In order to reward the manufacturers for having, in the most

Majesty's Commissioners. Ordered by the House of Commons to be printed, 28 June 1833, p. 53. \*Factories Inquiry Commission. First Report of the Central Board of His

before the House of Commons that there was danger in delay. Dr Farre was still blunter: 'Legislation is necessary for the prevention of death, in any form in which it can be prematurely inflicted, and certainly this' (the factory method) 'must be viewed as a most cruel mode of inflicting it.'\*

The same 'reformed' Parliament which in its delicate consideration for the manufacturers condemned children under 13, for years to come, to the hell of 72 hours of factory labour every week, this same Parliament, in the Emancipation Act (which also administered freedom drop by drop), forbade the planters, from the very beginning, to work any Negro slave for more than 45 hours a week.

But capital was by no means soothed; it now began a noisy and long-lasting agitation. This turned on the age-limit of the category of human beings who, under the name 'children', were restricted to education. According to the anthropology of the capitalists, the age of childhood ended at 10, or, at the outside, 11. The nearer the deadline approached for the full implementation of the Factory Act, the fatal year 1836, the wilder became the rage of the mob of manusuch an extent that in 1835 it proposed to lower the limit of the age of childhood from 13 to 12. But now the 'pressure from without' It refused to throw children of 13 under the Juggernaut wheels of capital for more than 8 hours a day, and the Act of 1833 came into full operation. It remained unaltered till June 1844.

During the decade in which it regulated factory work, at first in part, and then entirely, the official reports of the factory inspectors teem with complaints about the impossibility of enforcing it. The point of time within the 15 hours from 5.30 a.m. to 8.30 p.m. at which each 'young person' and each 'child' was to begin, break off, resume, or end his 12 or 8 hours of labour was left by the Act of 1833 to the free decision of the lords of capital; similarly, the Act also permitted them to assign different meal-times to different persons. Thanks to this provision, the capitalists soon discovered a new 'system of relays', by which the work-horses were not changed at fixed stations, but were always re-harnessed at different stations.

made the Ten Hours' Bill their economic, as they had made the vented relay system. 3 In the meantime, however, circumstances had demonstrated the impossibility of any control under the newly inthe rent of land, thundered with philanthropic indignation against And finally, the Tories, threatened in their most sacred interest, oppose a measure intended only to make the law of 1833 a reality. millennium.4 Thus they were even less inclined, and less able, to also that the Ten Hours' Bill would be enacted in the free trade therefore, not only that the loaf of bread would be twice its size, but and they needed the workers to help them to victory! They promised, workers. They had started their campaign to repeal the Corn Laws, class ordered a change in attitude and in language towards the gain, the spokesmen and political leaders of the manufacturing dividual manufacturer might like to give free rein to his old lust for fortunate local circumstances. Moreover, however much the inbreak the law because of their greater impudence or their more moral 'competition' of their 'false brethren', who were able to 1833, overwhelmed Parliament with representations on the imeven, who had run their factories in conformity with the Act of Charter\* their political, election cry. Some of the manufacturers, greatly changed. The factory workers, especially since 1838, had interview with the Home Secretary (1844), the factory inspectors scandalous brutalities soon blossomed again unpunished. In an grant the legal meal-times? In many of the factories, the old and the legally determined hours of work, and compel the employers to keeping in respect of each individual child or young person, enforce letter. How could the factory inspectors, with this complex bookit annulled the whole Factory Act, not only in the spirit, but in the shall have to return to it later. But this much is clear at first glance: We shall not pause here to reflect on the beauty of this system, as we the 'nefarious practices's of their foes.

This was the origin of the additional Factory Act of 7 June 1844,

<sup>\*</sup>Report from the Committee on the Bill to Regulate the Labour of Children in the Mills and Factories of the United Kingdom: with the Minutes of Evidence. Ordered by the House of Commons to be printed, 8 August 1832. Evidence of Dr J. R. Farre, pp. 598-602.

<sup>3.</sup> Reports of the Inspectors of Factories . . . 31 October 1849, p. 6.

<sup>4.</sup> Reports of the Inspectors of Factories . . . 31 October 1848, p. 98.

<sup>5.</sup> Let us note in passing that Leonard Horner makes use of this expression in his official reports. (*Reports of the Inspectors of Factories*... 31 October 1859, p. 7.)

<sup>\*</sup>Better known as the 'People's Charter', the manifesto issued in May 1838 by a number of groups, including the London Working Men's Association, which called for universal male suffrage and various related electoral reforms. Hence 'Chartism'.

children under 13 were reduced to 6½, and in certain circumstances their rights being thus far interfered with.'6 The working hours of to my knowledge of adult women having expressed any regret at Factory Report of 1844-5 states ironically: 'No instances have come adults to be controlled directly and officially by legislation. The them. For the first time it was found necessary for the labour of were placed in every respect on the same footing as young persons, their working hours limited to 12, and night-work forbidden to tection a new category of workers, namely women over 18. They which came into effect on 10 September 1844. It placed under pro-

which any manufacturing process is then' (i.e. at meal-times) at the least shall be given before three of the clock in the afternoon female) shall be employed or allowed to remain in any room in for meal-time of at least 30 minutes. No child or young person (or be employed more than five hours before I p.m. without an interval morning. Of the hour and a half for meal-times, 'one hour thereof must therefore consist of other children than those employed in the carried on. ... and at the same period of the day. No child or young person shall noon may not be again employed after 1 p.m. The afternoon shift notice stating the hours for the beginning and ending of work and the pauses allowed for meals. Children beginning work before 12 clock is to be set. The manufacturer has to hang upa 'legible' printed clock,' for example the nearest railway clock, by which the factory end at the same hour as A's, 'The time shall be regulated by a public 8 in the morning, and B at 10, B's working day must nevertheless to work in the morning.' So that if A, for example, begins work at reckoned from the time when any child or young person shall begin tions: 'The hours of work of children and young persons shall be law established among other things the following important regula-To get rid of the abuses of the spurious 'system of relays', the

gradually out of circumstances as natural laws of the modern mode duct of the fantasy of Members of Parliament. They developed pauses of work by the stroke of the clock, were by no means a proregulate, with military uniformity, the times, the limits and the It has been seen that these highly detailed specifications, which

6. Reports of the Inspectors of Factories . . . 30 September 1844, p. 15.
7. The Act allows children to be employed for 10 hours if they do not work day after day, but only on alternate days. In the main, this clause remained

young persons and women is indispensable. On the whole, therefore, since in most processes of production the co-operation of children, adult males in factories became subject to the same limitations, their first consequences was that in practice the working day of mation by the state were the result of a long class struggle. One of of production. Their formulation, official recognition and proclabecame universal and uniform in all branches of industry under the during the period from 1844 to 1847, the 12 hours' working day Factory Act.

out a compensating 'retrogression'. At their instigation the House of Commons reduced the minimum age for exploitable children children's which is owed to the capitalists, according to divine and from 9 to 8, in order to ensure that 'additional supply of factory The manufacturers, however, did not allow this 'progress' with-

of England. The Corn Laws were repealed; the duties on cotton and way through Parliament. opposition of the army of perjured Freetraders, headed by Bright guiding star of legislation; in short, the millennium had arrived other raw materials were removed; free trade was proclaimed as the and Cobden, the Ten Hours' Bill, so long struggled for, made its in the Tories, who were panting for revenge. Despite the fanatical ten hours' agitation reached their highest point. They found allies On the other hand, in the same years the Chartist movement and the The years 1846 to 1847 are epoch-making in the economic history

plement to the Acts of 1833 and 1844. day to 10 hours. For the rest, the Act was only an emendatory supon 1 May 1848 there should be a definite limitation of the working 'young persons' (from 13 to 18) and all females to 11 hours, but that there should be a preliminary reduction of the working day for The new Factory Act of 8 June 1847 enacted that on 1 July 1847

has been more than two years of great suffering (in consequence of Act from coming into full force on 1 May 1848. And the workers moment was cleverly chosen. 'It must be remembered, too, that there perience, were to help in the destruction of their own work. The themselves, under the pretence that they had been taught by ex-Capital now undertook a preliminary campaign to prevent the

children from 8 to 9 years of age would meet the increased demand' (ibid., (of children) 'to be employed, it was thought that the additional supply of 8. 'As a reduction in their hours of work would cause a larger number'

themselves and their families.'9 past losses, perhaps to pay off debts, or get their furniture out of so that it might fairly have been presumed that at the present time pawn, or replace that sold, or to get a new supply of clothes for be in very narrow circumstances; many, it is to be feared, in debt; closed. A considerable number of the operatives must therefore they would prefer working the longer time, in order to make up for many mills having worked short time, and many being altogether the terrible crisis of 1846-7) among the factory operatives, from

revolutionary commissioner reminiscent of the Convention,\* who would ruthlessly sacrifice the unfortunate factory workers to his the workers. They denounced the factory inspector as a species of shrieked all the louder in the press and in Parliament in the name of in getting the workers to speak as they wished, they themselves torted. They felt themselves oppressed, but by something different declared under oral examination that their signatures had been excomplain of 'their oppression by the Act', the petitioners themselves from the Factory Act. 11 But if the manufacturers did not succeed seduction or intimidation was left unused; but all in vain. In relation to the half-dozen petitions in which the workers were made to the repeal of the Act of 1847 was begun. No method of deceit, prepared conditions the agitation among the factory workers for wages of at least 25 per cent took place.10 Under these favourably to 10. Therefore, wherever circumstances permitted, a reduction in cent as soon as the working day was shortened to 11 hours, and a reduction of twice that amount as soon as it was finally shortened new free-trade era. Then followed a further reduction of 84 per was done in order, as it were, to celebrate the inauguration of the circumstances by a general 10 per cent reduction in wages. This The manufacturers tried to aggravate the natural impact of these

9. Reports of the Inspectors of Factories ... 31 October 1848, p. 16.

off for a reduction in the rate of 10 per cent, and 1s. 6d. off the remaining 9s. for the reduction in time, together 2s. 6d., and notwithstanding this, many of 10. 'I found that men who had been getting 10s, a week, had had is, taken

them said they would rather work 10 hours' (ibid.).

hand to a wrong thing." "Then why did you put your hand to it?" "Because I should have been turned off if I had refused." Whence it would appear that this petitioner felt himself "oppressed", but not exactly by the Factory Act 11. "Though I signed it" (the petition) "I said at the time I was putting my

aminations of witnesses in the factories of Lancashire, both perworkers examined declared in favour of 10 hours, a much smaller sonally and through sub-inspectors. About 70 per cent of the Leonard Horner, himself a factory inspector, conducted many exmania for improving the world. This manoeuvre also failed percentage in favour of 11, and an altogether insignificant minority

for the old 12 hours. 12

of what the proletariat really wanted. But the 'ruthless' factory employment (so many spinners getting very low wages by having to inspector Leonard Horner was again on the spot. The majority of or of being thrown out of employment altogether."13 work the longer time, others would immediately get their places, so work as piecers, being unable to do better), that if they refused to hours for less wages, but they had no choice; so many were out of the 'overtimers' declared: 'They would much prefer working 10 15 hours, and then to declare that this fact was a fine demonstration that it was a question with them of agreeing to work the longer time, Another 'friendly' dodge was to make the adult males work 12 to

ever, the fiasco of the Chartist party, whose leaders had been anathematized, placed under the 'loi des suspects'.\* The manuunder the common slogan of the salvation of property, religion, the position, priests and free-thinkers, young whores and old nuns, keepers, Protectionists and Freetraders, government and opowners and capitalists, stock-exchange sharks and small-time shop-England as on the Continent, all fractions of the ruling classes, land-June insurrection in Paris and its bloody suppression united, in the self-confidence of the English working class. Soon after this the imprisoned and whose organization dismembered, had shattered Ten Hours' Act came into force on 1 May 1848. Meanwhile, howfamily and society. Everywhere the working class was outlawed, The preliminary campaign of capital thus came to grief, and the

provide material which is valuable in other connections as well. the Factory Reports for the half-year ending October 1848. These examinations examined in 181 factories. Their evidence is to be found in the appendix to 12. ibid., p. 17. In Mr Horner's district 10,270 adult male labourers were

69, 70, 71, 72, 92, 93, and those collected by Sub-Inspector A, Nos. 51, 52, 58, 59, 62, 70, of the Appendix. A manufacturer, too, told the plain unvarnished truth in one instance. See No. 14, after No. 265 (ibid.). 13. ibid. See the statements collected by Leonard Horner himself, Nos.

<sup>\*</sup>The French revolutionary assembly of 1792 to 1795, which presided over

<sup>\*</sup>The law against all those suspected of assisting the counter-revolution, passed on 17 September 1793 by the Convention. It formed the legal basis

facturers no longer needed to restrain themselves. They broke out in open revolt, not only against the Ten Hours' Act, but against all the legislation since 1833 that had aimed at restricting to some extent the 'free' exploitation of labour-power. It was a pro-slavery rebellion\* in miniature, carried on for over two years with a cynical recklessness and a terroristic energy which were so much the easier to achieve in that the rebel capitalist risked nothing but the skin of his workers.

To understand what follows, we must remember that all three Factory Acts, those of 1833, 1844 and 1847, were in force, in so far as the one did not amend the others; that not one of these limited the working day of the male worker of over 18; and that since 1833 the 15 hours from 5.30 a.m. until 8.30 p.m. had remained the legal 'day', within the limits of which the 12 hours, and later the 10 hours, of labour by young persons and women had to be performed under the prescribed conditions.

The manufacturers began by here and there dismissing a number of the young persons and women they employed, in many cases half of them, and then, for the adult males, restoring night-work, which had almost disappeared. The Ten Hours' Act, they cried, leaves us no other alternative.<sup>14</sup>

The second step they took related to the legal pauses for meals. Let us listen to the factory inspectors. 'Since the restriction of the hours of work to ten, the factory occupiers maintain, although they have not yet practically gone the whole length, that supposing the hours of work to be from 9 a.m. to 7 p.m. they fulfil the provisions of the statutes by allowing an hour before 9 a.m. and half an hour after 7 p.m. (for meals). In some cases they now allow an hour, or half an hour for dinner, insisting at the same time, that they are not bound to allow any part of the hour and a half in the course of the factory working-day.'15 Thus the manufacturers maintained that the scrupulously strict provisions of the Act of 1844 with regard to meal-times only gave the workers permission to eat and drink before coming into the factory, and after leaving it—i.e. at home! And why indeed should the workers not eat their dinner before 9 o'clock in

the morning? The crown lawyers, however, decided that the prescribed meal-times 'must be in the interval during the working-hours, and that it will not be lawful to work for 10 hours continuously, from 9 a.m. to 7 p.m., without any interval. 16

After these pleasant demonstrations, capital commenced its real revolt by taking a step which agreed with the letter of the law of 1844, and was therefore legal.

owners to have their machinery at work for more than 10 hours a admitted that the practice exists in England from the desire of mill-2 in the afternoon; they could then keep them in the factory until 8.30 p.m., the manufacturers only had to give them no work till ren's work coincide with that of the adult male labourers up to 6½ hours! But they could do even better. In order to make the childwhose working day began at 12 midday or later. Children of 8 of children aged from 8 to 13 who had been employed before noon. hygienic and moral grounds, but Capital answered: owners choose.'17 Workers and factory inspectors protested on persons and women have left, and until 8.30 p.m. if the factoryday, to keep the children at work with male adults after all the young 8.30 in the evening without intermission. 'And it is now expressly 8.30 in the evening ( $3\frac{1}{2}$  hours). Taken together, this made up a legal (1 hour); from 2 till 4 in the afternoon (2 hours); and from 5 till might, if they began work at noon, be employed from 12 till 1 But it did not regulate in any way the 6½ hours' work of the children The Act of 1844 certainly prohibited the employment after 1 p.m.

### 'My deeds upon my head! I crave the law, The penalty and forfeit of my bond.'\*

In fact, according to statistics laid before the House of Commons on 26 July 1850, 3,742 children were still being subjected to this 'practice' in 257 factories on 15 July 1850, despite all the protests. 18 But this was not enough. Lynx-eyed capital discovered that although the Act of 1844 did not allow 5 hours' work before midday without a pause of at least 30 minutes for refreshment, it prescribed nothing like this for afternoon work. Hence capital demanded and ob-

<sup>14.</sup> Reports of the Inspectors of Factories . . . 31 October 1848, pp. 133-4. 15. Reports of the Inspectors of Factories . . . 30 April 1848, p. 47.

for the Terror. As applied here, however, the expression refers to repressive laws passed in various countries after 1848.

<sup>\*</sup>This is Marx's usual term for the American Civil War of 1861 to 1865.

Reports of the Inspectors of Factories . . . 31 October 1848, p. 130.
 ibid., p. 142.

<sup>18.</sup> Reports of the Inspectors of Factories . . . 31 October 1850, pp. 5-6.

<sup>\*</sup>This quotation, and the one following, are from *The Merchant of Venice*, Act 4, Scene 1 (Shylock's speech).

without any interval from 2 to 8.30 p.m., but also of letting them go tained the satisfaction not only of making children of 8 drudge

'Ay, his breast, So says the bond. 19

that they would set themselves above the letter of the law, and relimited to 12 hours, but that under the Ten Hours' Act they were a had been 'comparatively harmless' as long as working hours were in such short fractions of the day of 15 hours as the employer chose which prohibited the unrestricted use of young persons and women their revolt simply by declaring that the sections of the Act of 1844 ducing an open revolt against the same law, in so far as it regulated that law, and formed its main content. The manufacturers began the labour of 'young persons and women'. It will be remembered far as it regulated child-labour, was, however, only a way of introgrievous hardship? 20 They informed the inspectors very coolly that the abolition of the 'false relay system' was the main aim of This Shylock-like clinging to the letter of the law of 1844, in so

as Daumer's theory about the Lord's Supper.‡

20. Reports of the Inspectors of Factories . . . 31 October 1848, p. 133. banquets of debtors' flesh on the other side of the Tiber remains as doubtful of subsistence, into his flesh and blood. This 'flesh and blood' was therefore was current among the Roman patricians. The money they advanced to the 'their money'. Hence the law of the Ten Tables,\* which is worthy of Shylock. plebeian debtor became transformed, through his consumption of the means undeveloped forms. In the code of law which was imposed on the Territory of Mexico under the influence of the slave-owners, shortly before the outbreak of Linguet's theory† that the patrician creditors from time to time prepared the American Civil War, it is asserted that the worker 'is his' (the capitalist's) 'money' since the capitalist has bought his labour-power. The same view 19. The nature of capital remains the same in its developed as it is in its

\*The Law of the Twelve Tables (ten tables plus two supplementary ones) is the earliest Roman code of laws, drawn up in 450 B.C. Table III.6 states: or less than their shares it shall be without prejudice.' All the writers of here (as did Hegel). actual division of the debtor's body, not his property, and Marx follows them classical antiquity who dealt with this passage interpreted it to mean an On the third market day the creditors shall cut shares. If they have cut more

fondamentaux de la société, London, 1767, Vol. 2, Bk 5, Ch. 20. †Linguet stated his theory in the book Théorie des lois civiles, ou principes

1847), that the early Christians consumed human flesh when they celebrated forward in Die Geheimnisse des christlichen Altertums (2 vols., Hamburg, the Lord's Supper. ‡G. F. Daumer (1800-1875), writer on religious history, had a theory, put

> Inspectors and Sub-Inspectors of Factories? 22 treated as a secondary matter in order to save some little trouble to that? Is the great manufacturing interest of this country to be difficult to detect irregularities under the relay system; but what of it would allow them to pay higher wages'. 'This was the only said, be in the interests of the ill-advised operatives themselves, 'as introduce the old system on their own account.21 This would, they industrial supremacy of Great Britain.' 'Perhaps it may be a little possible plan by which to maintain, under the Ten Hours' Act, the

ceedings against the 'pro-slavery rebellion'. of old. The English factory inspectors, on the other hand, derestored throughout Scotland, where it soon flourished again as relay system for the 15-hour period of the factory day to be actually employed for a longer period than that sanctioned by there is no reason to believe that such young persons have been or for employment of young persons by relays in cases in which mations against mill-owners for a breach of the letter of the Act, 5 August 1848 he recommended the inspectors not 'to lay inforarising from the manufacturers' petitions that in a circular of George Grey, was soon so overwhelmed by the clouds of dust abling him to suspend the laws, and continued their legal proclared that the Home Secretary had no dictatorial powers enlaw'. At this, Factory Inspector J. Stuart allowed the so-called inspectors appealed to the courts. But the Home Secretary, Sir All these dodges were of course of no avail. The factory

of a relay system intended for his mill. Receiving a refusal, he at had laid before the factory inspector of his district the details Eskrigge, a cotton-spinner, of the firm of Kershaw, Leese & Co., turers sat in judgement on themselves. An example. A certain magistrates,<sup>23</sup> acquitted them? In these tribunals the manufacappear before the courts when the courts, in this case the county son, also a cotton-spinner, and if not Eskrigge's Man Friday at first kept quiet. A few months later, an individual named Robin-But what was the point of summoning the manufacturers to

Horner which is repulsive in its Quaker manner. (Reports of the Inspectors of Factories . . . 30 April 1849, p. 4.) Thus, among others, the philanthropist Ashworth, in a letter to Leonard

each county. They constitute in fact the patrimonial jurisdiction of the ruling described them, are unpaid judges chosen from the most eminent people in 23. These 'county magistrates', the 'Great Unpaid' as William Cobbett Reports of the Inspectors of Factories . . . 30 April 1849, pp. 138, 140.

magistrate. 26 when these cases are brought forward. I long for a stipendiary either that the law should be so altered as to be made to conform fallible tribunal, whose decisions would conform to the law ... to these decisions, or that it should be administered by a less farces,' exclaims Inspector Howell, 'urgently call for a remedy was in itself a blatant violation of the law.25 'These judicial into his own factory.24 Of course, the composition of this tribunal his own legal decision, he at once introduced the new relay system what was right for Robinson was fair for Eskrigge. Supported by of them cotton-spinners, and was headed by this same inevitable Stockport on a charge of introducing the very plan of relays Eskrigge. Eskrigge acquitted Robinson, and now decided that Eskrigge had devised. The bench consisted of four Justices, three least his relative, appeared before the borough magistrates of

a.m. to 8½ p.m.<sup>27</sup> Leonard Horner already possessed by December to 7½ p.m., ... in some instances it amounts to 15 hours, from 5½ 1848 a list of 65 manufacturers and 29 factory overseers who the time of working the mill is extended to 13½ hours, from 6 a.m. ... of mill-owners working by shifts, the number amounts to working more than 10 hours a day . . . In a return of the 30 April 114, and has been for some time rapidly increasing. In general, working by shifts, that the young persons and women are not self any means of satisfying ourselves, when we inspect a mill my district (Lancashire). Neither have the sub-inspectors or myuniformity in the hours of work . . . is thus no longer in force in law. That part of the Act of 1848 which was framed for securing considered it useless to prosecute more for this evasion of the having been supported by the magistrates in one case only ... I Act ... by ten prosecutions in seven magisterial divisions, and society would not allow themselves to be turned from their purpose. Leonard Horner reports: 'Having endeavoured to enforce the pretation of the Act of 1848 was absurd. But the saviours of The Crown lawyers declared that the manufacturers' inter-

24. Reports of the Inspectors of Factories . . . 30 April 1849, pp. 21-2. Cf.

together in the same room at the same time??30 work and of rest for different individuals throughout the day, so "the hands" about in endless variety, and shifting the hours of another.<sup>29</sup> How was it possible to control a system which 'under in the course of 15 hours, they were shifted from one factory to shifted from the spinning-room to the weaving-room, sometimes, work. 28 Sometimes the same children and young persons were this relay system, prevent the most extensive amount of overunanimously declared that no system of supervision could, under that you may never have one complete set of hands working the guise of relays, is some one of the many plans for shuffling

now for an hour, and then pushed him out again, to drag him into underwent changes in their composition. During the 15 hours of The working personnel was sometimes divided into from twelve at those schemes praised by the 'respectable press' as models of transformed into the attraction of capital. Look, for example, surpassed even by Fourier in his humorous sketches of the called relay system was an offspring of capital's imagination never were turned into hours of enforced idleness, which drove the ing the time taken in coming and going. Thus the hours of rest committed to the factory for the whole 15 hours, without reckonthither, in scattered shreds of time, without ever letting go until the factory and thrust him out afresh, hounding him hither and the factory day, capital dragged in the worker now for 30 minutes, to fifteen categories, and these categories themselves constantly 'what a reasonable degree of care and method can accomplish'. 'courtes séances', \* except that the 'attraction of labour' is here young men to the taverns and the young girls to the brothels throughout the whole course of the play, so the workers were different acts. And just as an actor is committed to the stage persons had to appear in turn in the different scenes of the the full 10 hours of work was done. As on the stage, the same But even if we entirely leave aside actual over-work, this so-

similar examples in ibid., pp. 4, 5, 25. By Section 10 of I. and II. William IV, c. 24, known as Sir John Hobof the Peace in any inquiries concerning the Factory Act. weaving mill, or the father, son or brother of such an owner, to act as Justice house's Factory Act, it was forbidden to any owner of a cotton-spinning or

<sup>27.</sup> Reports of the Inspectors of Factories . . . 30 April 1849, p. 5. 26. Reports of the Inspectors of Factories . . . 30 April 1849, p. 22.

<sup>28.</sup> Reports of the Inspectors of Factories . . . 31 October 1849, p. 6.

<sup>30.</sup> Reports of the Inspectors of Factories . . . 31 October 1848, p. 95. 29. Reports of the Inspectors of Factories . . . 30 April 1849, p. 21.

Nouveau Monde industriel et sociétaire, 2nd edn, Paris, 1845, p. 67. for variety, and without them labour would not be 'attractive'. Cf. Le ideal society. They corresponded to the eleventh human passion, the passion \*'Short sessions', the brief periods of labour Fourier envisaged for his

existing means of English industry, to enrich the capitalists. 32 imported 10 hours of labour would be quite sufficient, given the calculations in pounds, shillings and pence, that with corn freely Corn Laws, had demonstrated to the workers, by making precise ness, who for ten whole years, during the agitation against the unctuous Free traders, dripping with the milk of human kindpower.31 This was the heart of the matter, this was the manuwages for 12 or 15 hours' disposition over the workers' labourhours' work. Now they reversed the medal. They paid 10 hours' facturers' edition of the ten hours' law! These were the same were petitioning in the hope of obtaining 12 hours' wages for 10 agitation, the manufacturers cried out that the mob of workers his meals in a different fragment of time. During the 10 hours' number of the personnel meant that the worker had to gulp down his machinery going for 12 or 15 hours without increasing the Every new trick the capitalist hit upon from day to day for keeping

the Ten Hours' Bill.'33 A great number of manufacturers, who it meaningless. 'This verdict was tantamount to an abrogation of 1844, but that this Act itself contained certain words that rendered facturers were certainly acting against the sense of the Act of brought before it on 8 February 1850, decided that the manucourts in England, the Court of Exchequer, which, in a case victory by a decision handed down by one of the four highest This revolt of capital was after two years finally crowned with

and vicinity, in the spring of 1849, against the 'shift system' Howell and Saunders in the Reports of the Inspectors of Factories . . . 31 October 1848. See also the petition to the Queen from the clergy of Ashton\* the detailed explanation of the 'shifting system' given by Factory Inspectors 31. See Reports of the Inspectors of Factories ... 30 April 1849, p. 6, and

Bill, London, 1837. 32. Cf. for example R. H. Greg, The Factory Question and the Ten Hours

against the arming of pirate ships. Justice discovered a verbal twist which exactly reversed the meaning of the law 1971, p. 105] During the American Civil War the same 'High' Court of April 1850 [English translation: Marx and Engels, Articles on Britain, London, Zeitung. Politisch-ökonomische Revue, edited by myself, p. 13 of the issue for 33. F. Engels' 'Die englische Zehnstundenbill', in the Neue Rheinische

\*Ashton-under-Lyne, in Lancashire. A cotton town, and a main centre

of the agitation which had led up to the Factory Act of 1847.

† This law was the Foreign Enlistment Act of 1819 (59 George III, c. 69). states with which Britain was not at war. In November 1863 the Court of Act for its seizure of the Alexandra, a ship intended for the Confederate States. It forbade the fitting-out of vessels to engage in military operations against Exchequer held that the British government had no justification under the

> until then had been afraid to use the shift system for young persons and women, now seized on it enthusiastically. 34

meetings. The so-called Ten Hours' Act, they said, was thus mere They now protested in Lancashire and Yorkshire in threatening resistance which was passive, though inflexible and unceasing followed by a counter-stroke. So far, the workers had offered a another in Lancashire; one law in one parish of Lancashire, abnormal and anarchical obtains. One law holds in Yorkshire, decisions of the magistrates, a condition of things altogether etc.' And the most fundamental right under the law of capital is still less for the shifting of hands from one factory to another, districts could not find the people necessary for the relay system, another in its immediate neighbourhood. The manufacturer in inspectors urgently warned the government that class antagonisms humbug, a parliamentary fraud. It had never existed! The factory the equal exploitation of labour-power by all capitalists. large towns could evade the law, the manufacturer in country facturers themselves grumbled: 'On account of the contradictory had reached an unheard-of degree of tension. Some of the manu-But this apparently decisive victory of capital was immediately

day for 'young persons and women' was lengthened from 10 to in the supplementary Factory Act of 5 August 1850. The working manufacturers and men, given the seal of parliamentary approval and 6 p.m., 35 with pauses of not less than 1½ hours for meal-times, hours on Saturdays. The work had to take place between 6 a.m. and in accordance with the regulations laid down in 1844. By this these meal-times to be allowed at exactly the same time for all, 10 $\frac{1}{2}$  hours for the first five days of the week, and shortened to  $7\frac{1}{2}$ the Act of 1844 remained in force. the relay system was ended once and for all. 36 For child labour, Under these circumstances, it came to a compromise between

niorial rights over the children of the proletariat, just as they had done before. These were the silk manufacturers. In 1833 they had One set of manufacturers secured to themselves special seig-

uniform period for the commencement and termination of the labour of those surrendered the benefit of the Ten Hours' Act for the advantage of one whose labour is restricted' (Reports of the Inspectors of Factories . . . 30 April 34. Reports of the Inspectors of Factories . . . 30 April 1850. 35. In winter the period from 7 a.m. to 7 p.m. can be substituted for this. 36. 'The present law' (of 1850) 'was a compromise whereby the employed

population is higher even than it is in the cotton districts of high in the silk districts, and amongst the female part of the wards that, on the contrary, 'the average death-rate is exceedingly mills for other fabrics, and less likely in other respects also to be Lancashire'.41 Despite the protests of the factory inspectors, prejudicial to health.'40 Official medical inquiries proved afterfrom 10 to 101. Pretext: 'Labour in silk mills was lighter than in the hours of labour for children aged from 11 to 13 were increased But here, in order to compensate capital for the loss of its 'liberty' was limited to the departments of silk-twisting and silk-winding hides and their fat. Finally, in 1850, the privilege granted in 1844 were employed, requiring a lightness of touch, only to be acquired just as horned cattle are slaughtered in southern Russia for their were quite simply slaughtered for the sake of their delicate fingers, by their early introduction to these factories'.39 The children the pretext was 'the delicate texture of the fabric in which they a day, and annulling in their case the education which had been made compulsory for all other factory children. This time the privilege of working children between 11 and 13 for 10 hours longer than 61 hours each day. But as against this, it secured them facturers of the 'liberty' of employing children under 11 for any age for 10 hours a day were taken away, it would stop their their work.38 The Act of 1844 certainly 'robbed' the silk manublood of little children who had to be put on stools to perform following decade, from spinning silk for 10 hours a day out of the deliberate lie. This did not, however, prevent them, throughout the desired. Subsequent investigation showed that the pretext was a number of children over 13. They extorted the privilege they works.37 It would be impossible for them to buy a sufficient howled threateningly that 'if the liberty of working children of

37. Reports of the Inspectors of Factories ... 30 September 1844, p. 13. 38. ibid.

39. Reports of the Inspectors of Factories . . . 31 October 1846, p. 20. 40. Reports of the Inspectors of Factories . . . 31 October 1861, p. 26.

41. ibid., p. 27. In general, the working population has greatly improved physically under the regime of the Factory Act. All medical testimony agrees on this point, and my own personal observation on various occasions has convinced me this is true. Nevertheless, and leaving aside the terrible deathnew show the unfavourable health conditions of the manufacturing districts as compared with 'agricultural districts of normal health'. As evidence, take the following table from his 1861 report:

repeated every 6 months, this evil has lasted to the present day. <sup>42</sup>
The Act of 1850 replaced the 15-hour period from 6 a.m. to 8.30 p.m. by a 12-hour period from 6 a.m. to 6 p.m., but only for 'young persons and women'. It did not therefore affect children, who could always be employed for half an hour before this period, and 2½ hours after it, provided the total duration of their labour did not exceed 6½ hours. While the bill was under discussion, the factory inspectors laid before Parliament statistics relating to the infamous abuses which had arisen from this anomaly. But in vain. In the background lurked the intention of using the children to force the working day of adult males up to 15 hours, in years of prosperity. The experience of the three years which followed demonstrated that such an attempt was bound to fail in face of

14.9 42.6 37.3 41.9 31.0 14.9 36.6 30.4	Percentage of adult males engaged in manufactures
598 708 547 611 691 588 721 726 305	Death-rate from pulmonary affections per 100,000 males
Wigan Blackburn Halifax Bradford Macclesfield Leek Stoke-upon-Trent Woolstanton Eight healthy agricultural districts	Name of District
644 734 564 603 804 705 665 727	Death-rate from pulmonary affections per 100,000 females
18-0 34-9 20-4 30-0 26-0 17-2 19-3 13-9	Percentage of adult females engaged in manufactures
Cotton Ditto Worsted Ditto Silk Ditto Earthenware Ditto	Kind of female occupation

42. The reluctance with which the English 'Free traders' gave up the protective duty on silk manufacture is well known. The absence of protection for English factory children now serves in place of protection against French imports.

the resistance of the adult male workers.<sup>43</sup> The Act of 1850 was therefore finally completed in 1853 by the prohibition of the 'employment of children in the morning before and in the evening after young persons and women'. Henceforth, with few exceptions, the Factory Act of 1850 regulated the working day of all workers in the branches of industry subject to it.<sup>44</sup> By then, half a century had elapsed since the passing of the first Factory Act.<sup>45</sup>

Factory legislation went beyond its original sphere of application for the first time in the Printworks Act of 1845. The unwillingness with which capital accepted this new 'extravagance' speaks through every line of the Act. It limits the working day for children from 8 to 13, and for women, to 16 hours between 6 a.m. and 10 p.m. without any legal pause for meal-times. It allows males over 13 to be worked at will day and night. 46 It is a parliamentary abortion 47

Nevertheless, the principle had triumphed with its victory in those great branches of industry which form the most characteristic creation of the modern mode of production. Their wonderful development from 1853 to 1860, hand-in-hand with the physical and moral regeneration of the factory workers, was visible to the weakest eyes. The very manufacturers from whom the legal

43. Reports of the Inspectors of Factories . . . 30 April 1853, p. 30.

44. During the years 1859 and 1860, when the English cotton industry was at its zenith, the manufacturers tried to reconcile the adult male workers to an extension of the working day by using the bait of higher wages for overtime. The hand-mule spinners and self-actor minders put an end to the experiment by sending a petition to their employers, in which they said: 'Plainly speaking, our lives are to us a burthen; and, while we are confined to the mills nearly two days a week' (20 hours) 'more than the other operatives of the country, we feel like helots in the land, and that we are perpetuating a system injurious to ourselves and future generations... This, therefore, is to give you most New Year holidays, we shall work 60 hours per week, and no more, or from six to six, with one hour and a half out' (Reports of the Inspectors of Factories 30 April 1860, p. 30).

45. On the means provided by the wording of this Act for its own violation, see the Parliamentary Return Factories Regulation Acts (6 August 1859), and in it Leonard Horner's 'Suggestions for Amending the Factory Acts to Enable the Inspectors to Prevent Illegal Working, Now Become Very Prevalent'.

46. 'Children of the age of 8 years and upwards, have, indeed, been employed from 6 a.m. to 9 p.m. during the last half year in my district' (Reports of the Inspectors of Factories . . . 31 October 1857, p. 39).

47. 'The Printworks Act is admitted to be a failure, both with reference to its educational and protective provisions' (Reports of the Inspectors of Factories . . . 31 October 1862, p. 52).

limitation and regulation of the working day had been wrung step by step in the course of a civil war lasting half a century now pointed boastfully to the contrast with the areas of exploitation which were still 'free'. 48 The Pharisees of 'political economy' now proclaimed that their newly won insight into the necessity for a legally regulated working day was a characteristic achievement of their 'science'. 49 It will easily be understood that after the factory magnates had resigned themselves and submitted to the inevitable, capital's power of resistance gradually weakened, while at the same time the working class's power of attack grew with the number of its allies in those social layers not directly interested in the question. Hence the comparatively rapid progress since 1860.

Dye-works and bleach-works were brought under the Factory Act of 1850 in 1860;<sup>50</sup> lace and stocking factories in 1861. As a result of the first report of the Commission on the Employment of Children (1863) the same fate was shared by the manufacturers of all earthenware products (not just the potteries), matches,

48. Thus E. Potter, for example, in a letter of 24 March 1863 to *The Times*. The Times reminded him of the manufacturers' revolt against the Ten Hours' Bill.

49. Thus, among others, Mr W. Newmarch, collaborator and editor of Tooke's History of Prices. Is it a scientific advance to make cowardly concessions to public opinion?

all the Acts of Parliament for the 'protection of labour', provided them with a name it pretended to speak, capital discovered, with the help of the judicial per day, and make wages when they could.' A bill to this effect was brought in famine) 'it was greatly to the advantage of the operatives to work 12 hours more year. 'In the existing condition of the trade' (at the time of the cotton the employment of young persons and women for 12 hours a day for yet one ordinary days and 71 for Saturday. Now when the fatal year arrived, in 1862 and definitively fixed, on 1 August 1862, at 10 hours, i.e. at 10\frac{1}{2} hours for the working day should be provisionally fixed, on 1 August 1861, at 12 hours, been greatly disappointed . . . they have complained of over-work, and it is pretext for excluding from its operation the 'calenderers' and the 'finishers' magnifying-glass, that the Act of 1860, drawn up in equivocal phrases, like October 1862, pp. 14, 15). Defeated in this way by the very workers in whose that the bill was abandoned' (Reports of the Inspectors of Factories . . . 31 the old farce was repeated. The manufacturers petitioned Parliament to allow greatly to be regretted that the clear intention of the legislature should have piece of pettifogging in the Court of Common Pleas. 'The operatives have failed by reason of a faulty definition' (ibid., p. 18). English jurisprudence, always the faithful servant of capital, sanctioned this and it was mainly due to the action of the operative bleachers in Scotland 50. The Act passed in 1860 laid down for dye-works and bleach-works that

such works (bleaching and dyeing) are situated' (Reports of the Inspectors of regard to the social habits of the families of the neighbourhood, in which than these, without limit as to age, without reference to sex, and without day with or without meals, as the case may be, and perhaps for longer hours purpose, it is a failure; since it can scarcely be called benevolent to permit, all intents and purposes, therefore, as an Act for any benevolent or educational Factories . . . 30 April 1863, p. 40). which is tantamount to compelling, women and children to work 14 hours a proof is so doubtful that a conviction can scarcely follow, (ibid., p. 52), 'To under no protective provisions at all, and if they do so work, the mode of persons are detected working after 8 o'clock at night, they appear to come appears to offer, but contains a clause . . . apparently so worded that, unless diseases most observable amongst them are phthisis, bronchitis, irregularity of uterine functions, hysteria in its most aggravated forms, and rheumatism. All of these, I believe, are either directly or indirectly induced by the impure, overheated air of the apartments in which the hands are employed, and the Act has not only failed to afford that protection to the workers which it sequently from these jovial 'open-air bleachers' [i.e. the employers], atmosphere, in winter, when going to their homes' (ibid., pp. 56-7). want of sufficient comfortable clothing to protect them from the cold, damp factory inspectors remark, on the subject of the law of 1863, extracted subspinning factory' (and capital, in its representations to Parliament, had painted them as rubicund and healthy, in the manner of Rubenst). 'The sanitary condition is by no means so high as that of the operatives in a the diseases of stove workers, compels me to express the opinion that their go out for a few minutes ... My experience, which is considerable, in treating high, or the workers' hands get soiled from perspiration, they are allowed to 'No special hours are allowed for cooling, but if the temperature gets too If busy, they work till 9 or 12 at night for successive nights' (Reports of the Inspectors of Factories ... 31 October 1862, p. 56). A medical man states: 100° and upwards for cambrics. Twelve girls ironing and doing-up in a small room about 10 feet square, in the centre of which is a close stove. The girls rapidly for the ironers. The hours of work for these hands are unlimited, stand round the stove, which throws out a terrific heat, and dries the cambrics is the technical expression for their occasional escape from the drying-rooms into the fresh air. 'Fifteen girls in stoves. Heat from 80° to 90° for linens, and Fahrenheit were used, and the work there was mainly done by girls. 'Cooling' as to the pleasant atmosphere of fields and meadows in which the open-air In this aerial bleaching, drying-rooms with temperatures of from 90° to 100° bleaching was supposed to take place by petitions from the workers themselves. factory inspectors, and at the same time Parliament was robbed of its illusions women worked at bleaching during the night. This lie was exposed by the 51. The 'open-air bleachers' had evaded the law of 1860 with the lie that no

\*The law Marx refers to here is in fact the Open Air Bleach-works Act of April 1862, which came into force on 1 January 1863.

case, the labour of young persons and women at night was forbidden (from 8 in the evening to 6 in the morning), and in the latter, the employment of journeymen bakers under 18 between 9 in the evening and 5 in the morning. We shall return to the later proposals of the same Commission, which threaten to deprive all the important branches of English industry of their 'freedom', with the exception of agriculture, mining and transport.<sup>52</sup>

# 7. THE STRUGGLE FOR A NORMAL WORKING DAY. IMPACT OF THE ENGLISH FACTORY LEGISLATION ON OTHER COUNTRIES

enters into a contract with the capitalist as the seller of a comworker, a man who is thus legally qualified to act for himself, who standpoint so far developed here, it is only the independent ordination of labour to capital. He will remember that, from the of the mode of production itself which may arise from the subextraction of surplus labour, forms the specific content and purof it. Without anticipating subsequent developments, the followmodity. So if our historical sketch has shown the prominent part pose of capitalist production, quite apart from any reconstruction tion of labour, and the latter only a particularly striking example former is still for us only a particular department of the exploitaplayed by modern industry on the one hand, and the labour of The reader will recall that the production of surplus-value, or the historical facts: ing points can be derived merely by connecting together the those who are physically and legally minors on the other, the

First. Capital's drive towards a boundless and ruthless extension of the working day is satisfied first in those industries which were first to be revolutionized by water-power, steam and machinery, in those earliest creations of the modern mode of production, the spinning and weaving of cotton, wool, flax and silk. The changed material mode of production, and the correspondingly changed social relations of the producers, <sup>53</sup> first gave rise to outrages without measure, and then called forth, in opposition to

Since 1866, when I wrote the above passages, a reaction has set in once igain.

<sup>53. &#</sup>x27;The conduct of each of these classes' (capitalists and workers) 'has been the result of the relative situation in which they have been placed' (*Reports of the Inspectors of Factories . . . 31 October 1848*, p. 113).

it is fought out first of all in the homeland of that industry class. Since the contest takes place in the arena of modern industry,

the gauntlet to the theory of the capitalists.58 Hence the philoclass in general, just as their theorists were the first to throw down only of the English working class, but of the modern working England.<sup>57</sup> The English factory workers were the champions, not

house in which work was done was a factory, as in England, where strip itself of its exceptional character, or to declare that any selves. Factory legislation was therefore compelled gradually to as completely under capitalist exploitation as the factories themthe law proceeds in the manner of the Roman Casuists. 567 crafts like baking, and finally that even the scattered so-called such as potteries, glass-making etc., that old-fashioned handidomestic industries, such as nail-making,55 had long since fallen called, that manufactures\* with more or less obsolete methods, duction had made their entry into the factory system properly so it was found that in the meantime many other branches of proconquered the original domain of the new mode of production, legislation for exceptions.54 As soon as the Factory Acts had the nineteenth century, this control therefore appears simply as uniform the working day and its pauses. During the first half of

cealed civil war between the capitalist class and the working day is therefore the product of a protracted and more or less concertain stage of maturity. The establishment of a normal working without resistance once capitalist production has reached a worker, the worker as 'free' seller of his labour-power, succumbs others over this regulation, prove conclusively that the isolated certain branches of production, and the struggle still going on in Second. The history of the regulation of the working day in

certain specified fibres' (Reports of the Inspectors of Factories . . . 31 October inspected, viz., the use of steam or water-power, and the manufacture of manufacture of textile fabrics by the aid of steam or water-power. There were two conditions to which an employment must be subject to cause it to be 54. 'The employments, placed under restriction, were connected with the

motion to machinery is no longer one of the elements necessary, as formerly, to constitute, in legal phrase, a "Factory" (Reports of the Inspectors of the customs in which differ greatly, and the use of mechanical power to give especially valuable material on the situation in this so-called domestic industry. Factories . . . 31 October 1864, p. 8). 56. 'The Acts of last Session (1864) . . . embrace a diversity of occupations, 55. The latest reports of the Children's Employment Commission contain

this, social control, which legally limits, regulates and makes

capital, which was striving manfully for the 'perfect freedom of 'the slavery of the Factory Acts' on their banners, as opposed to disgrace on the part of the English working class that they wrote sopher of the factory, Ure, considers it a mark of inextinguishable labour'.59 France limps slowly behind England. The French twelve hours'

law needed the February revolution to bring it into the world, 60

women, 135 boys and 44 girls under 16; in the blast-furnaces, etc., out of 1,000 employed, 668 are men, 149 women, 98 boys and 85 girls under 16. ages are consumed, in perfect 'freedom', at any period, and through any movement. Even in the coal and metal mines, workers of both sexes and all doubled the amount and the value of its exports of coal, iron, etc. between Add to this the low wages paid in return for the enormous exploitation of length of time. Out of every 1,000 persons employed there, 733 are men, 88 2s. 8d., for a woman 1s. 8d., for a boy, 1s. 2\flactdd. As a result, Belgium nearly mature and immature labour-power. The average daily pay for a man 1850 and 1863. 57. Belgium, the paradise of Continental liberalism, shows no trace of this

in all Factory Acts, and the third is already being used as a cloak for reactionutopia; so was his 'combination of children's education with productive limitation of the working day in theory, but actually introduced the 10-hour day into his factory at New Lanark. This was laughed at as a communist ary swindles. Today, the first utopia is a Factory Act, the second figures as an official phrase labour', as well as the workers' co-operative societies he was the first to set up. 58. Robert Owen, soon after 1810, not only maintained the necessity of a

59. Ure (French translation), Philosophie des manufactures, Paris, 1836,

Vol. 2, pp. 39-40, 67, 77, etc.

purpose they use two different sets of workers, of whom neither is in the mission, day in, day out, with the possible exception of Sunday. For this which this fatal silence gives them to keep their works going without interfixed hours. For children's labour only the working time is prescribed as between 5 a.m. and 9 p.m. Therefore, some of the manufacturers use the right in factories and workshops to 12 hours, does not confine this work to definite held in Paris in 1855: 'The French law, which limits the length of daily labour workshop more than 12 hours at a time, but the work of the establishment badly lighted workshops'. tive influence of night-labour on the human organism', stress is also laid upon lasts day and night. The law is satisfied, but is humanity?' Besides 'the destructhe fatal influence of the association of the two sexes by night in the same 60. We read in the Compte Rendu of the International Statistical Congress

obsolete methods, and they belong to the age of 'manufacture'. \*More idiomatic would be 'industries', but these are industries with

serve intact the formal framework of inconvenient doctrines while abolishing Jesuits, were famed for using refined and tortuous arguments so as to pre-†The Roman Catholic Casuists of the seventeenth century, especially the

recently been claimed, for the first time, as a universal right, 62 won in the name of children, minors and women, and has only the French law proclaims as a principle what in England was only an inextricable tangle of contradictory enactments.<sup>61</sup> Moreover, now on this point, now on that, and is well on the way to creating ages. At one stroke it dictates the same limits to the working day legislation yields reluctantly to the pressure of circumstances, in all shops and factories without distinction, whereas the English less, the French revolutionary method has its own peculiar advantand it has far more loopholes than its English model. Neverthe-

glorious result is attained."63 At the same time (the beginning of can Union. We are resolved to put forth all our strength until this hours shall be the normal working day in all States of the Amerigreat necessity of the present, to free the labour of this country from capitalistic slavery, is the passing of a law by which eight Labour held at Baltimore in August 1866 declared: 'The first and seven-league boots of the locomotive. The General Congress of Atlantic to the Pacific, from New England to California, with the Civil War was the eight hours' agitation, which ran from the ately arose from the death of slavery. The first fruit of the American where it is branded in a black skin. However, a new life immedithe republic. Labour in a white skin cannot emancipate itself movement was paralysed as long as slavery disfigured a part of In the United States of America, every independent workers'

law.' But one thing is secured by this means: law-suits for the gentlemen of of these three Acts of Parliament where the occupier chooses to evade the says: 'It will hence appear that it must be very difficult to secure the execution visions of these Acts, and the complications arising from them, Mr Baker Factories . . . 31 October 1861, p. 20). After enumerating the different prounder the Factory Act' (Report of Mr Baker, in Reports of the Inspectors of and Dyeing Works Act, a printer under the Print Works Act, and a finisher same curtilage, is at the same time a bleacher and dyer under the Bleaching 61. For instance, there is within my district one occupier who, within the

the Inspectors of Factories . . . 31 October 1862, p. 54). succumb before the broad principle of the rights of labour ... There is a (objections of capital to the legal limitation of the working day) 'must becomes his own, even if there were no exhaustion in the question '(Reports of time when the master's right in his workman's labour ceases, and his time 62. Thus the factory inspectors at last venture to say: 'These objections'

required under the present system is too great, and that, far from leaving the but little better than slavery. That is why we decide that eight hours are worker time for rest and education, it plunges him into a condition of servitude 63. 'We, the workers of Dunkirk, declare that the length of time of labour

> September 1866), the Congress of the International Working tion, proposed by the London General Council: 'We declare that must prove abortive ... the Congress proposes eight hours as out which all further attempts at improvement and emancipation the limitation of the working day is a preliminary condition with-Men's Association, held at Geneva, passed the following resoluthe legal limit of the working day."\*

enforced.'64 spector, R. J. Saunders; 'Further steps towards a reformation of the hours of labour be limited, and the prescribed limit strictly society can never be carried out with any hope of success, unless themselves, set its seal on the words of the English factory inwhich had grown instinctively out of the relations of production Thus the working-class movement on both sides of the Atlantic,

was concluded, it was discovered that he was no 'free agent', power to the capitalist proved in black and white, so to speak, against another owner. The contract by which he sold his labourstood face to face with other owners of commodities, one owner In the market, as owner of the commodity 'labour-power', he process of production looking different from when he entered it. power is the period of time for which he is forced to sell it,65 that that the period of time for which he is free to sell his labourthat he was free to dispose of himself. But when the transaction It must be acknowledged that our worker emerges from the

why we call to our help that powerful lever, the press; .. and why we shall enough for a working day, and ought to be legally recognized as enough; kirk, State of New York, 1866). and of the rights of the labourer' (Resolution of the Working Men of Dunconsider all those that refuse us this help as enemies of the reform of labour

64. Reports of the Inspectors of Factories . . . 31 October 1848, p. 112.

assertion so often advanced, that operatives need no protection, but may be termed) even in a free country, requires the strong arm of the law to protect it's considered as free agents in the disposal of the only property which they to 1850) 'have afforded, moreover, incontrovertible proof of the fallacy of the etc.' (Reports of the Inspectors of Factories . . . 30 April 1863, p. 40). which is tantamount to compelling . . . to work 14 hours a day without meals (Reports of the Inspectors of Factories . . . 31 October 1864, p. 34). 'To permit, the Inspectors of Factories . . . 30 April 1850, p. 45). 'Free labour (if so it may be possess - the labour of their hands and the sweat of their brows' (Reports of 65. 'The proceedings' (the manoeuvres of capital, for instance from 1848

Delegates to the Geneva Conference', printed in The First International and After, Pelican Marx Library, 1973, p. 87.) \*This resolution was drafted by Marx himself. (See 'Instructions for

when his own begins'.68 Quantum mutatus ab illo!\* makes clear 'when the time which the worker sells is ended, and Magna Carta of the legally limited working day, which at last catalogue of the 'inalienable rights of man' there steps the modest by voluntary contract with capital. 67 In the place of the pompous put their heads together and, as a class, compel the passing of a from selling themselves and their families into slavery and death law, an all-powerful social barrier by which they can be prevented tion' against the serpent of their agonies, the workers have to muscle, sinew or drop of blood to be exploited . 66 For 'protecin fact the vampire will not let go 'while there remains a single

translation, p. 97].
67. The Ten Hours' Act, in the branches of industry subject to it, has 'put 66. F. Engels, 'Die englische Zehnstundenbill', op. cit., p. 5 [English

(ibid., p. 8). labourers employed; and they are not in a position to protect themselves' an end to the premature decrepitude of the former long-hour workers' beyond a limited time, without certain injury to the health and morals of the (in factories) 'can never be employed in keeping the machinery in motion (Reports of the Inspectors of Factories . . . 31 October 1859, p. 47), 'Capital'

anything but money; the servant had no time for anything but labour' (ibid., given him time for a little 'culture'. 'Formerly the master had no time for natural to a man who is merely an embodiment of capital, and that it has present Ten Hours' Act also frees the capitalist from some of the brutality and using very cautious expressions, the factory inspectors hint that the eventual possession of political power' (ibid., p. 47). With suppressed irony, Factory Acts) . . . have given them a moral energy which is directing them to purposes' (ibid., p. 52), 'By making them masters of their own time' (the knowledge of this, is enabled to pre-arrange his own minutes for his own he sells is ended, and when his own begins; and by possessing a sure foreworker's own time and his master's. The worker knows now when that which 68. 'A still greater boon is the distinction at last made clear between the

### Chapter 11: The Rate and Mass of Surplus-Value

duction or maintenance of that labour-power, is assumed to be a In this chapter, as hitherto, the value of labour-power, and given, constant magnitude. therefore the part of the working day necessary for the repro-

cent, this variable capital of 3 shillings produces a mass of surpluslabour-power. If, further, the rate of surplus-value is 100 per of gold equal to 3 shillings, then 3 shillings is the daily value of one necessary labour amounts to 6 hours a day, expressed in a quantity day a mass of surplus labour of 6 hours. value of 3 shillings, in other words, the worker supplies every labour-power, or the value of the capital advanced to buy one gives us the mass of surplus-value furnished to the capitalist by the worker within a definite period of time. If, for example, the With this presupposition, the rate of surplus-value directly

capital of  $n \times 3$  shillings must be advanced in order to exploit n advanced in order to exploit 100 labour-powers every day, and a total value of all the labour-powers the capitalist employs simullabour-powers every day. labour-power is 3 shillings, then a capital of 300 shillings must be workers employed simultaneously. If the daily value of one tude of the variable capital varies directly with the number of ployed. With a given value of labour-power, therefore, the magnilabour-power multiplied by the number of labour-powers emtaneously. Its value is therefore equal to the average value of one But the variable capital is the monetary expression for the

surplus-value of 300 shillings, and one of  $n \times 3$  shillings will 3 shillings, a variable capital of 300 shillings will produce a daily daily value of one labour-power, produces a daily surplus-value of surplus-value produced is therefore equal to the surplus-value produce a daily surplus-value of  $n \times 3$  shillings. The mass of In the same way, if a variable capital of 3 shillings, being the

<sup>\*</sup> What a great change from that time '(Virgil, Aeneid, Bk 2, line 274),