

# Economies of scale and a featherbedding cartel?: a reconsideration of the interwar British coal industry<sup>1</sup>

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<sup>1</sup> This paper is based on Evans and Fine, 'Economies of scale', where full presentation of the statistical results is to be found, and on other research done with Steve Martin. See also Fine, *The coal question*. At various times, research has been funded by the S.S.R.C, the Nuffield Foundation, the Leverhulme Trust, and the Central Research Fund of the University of London. I wish to thank anonymous referees and the editors for many helpful suggestions.

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## *Economies of scale and a featherbedding cartel?: a reconsideration of the interwar British coal industry<sup>1</sup>*

By BEN FINE

Two classic propositions have dominated the economic historiography of the interwar British coal industry. One offered by Buxton<sup>2</sup> claims that mechanization of the industry was important and, to some extent, deficient but that there were no economies of scale; the other, from Kirby, claims<sup>3</sup> that the formation of statutory cartels in the 1930s impeded amalgamations by featherbedding inefficient producers (and so, paradoxically, depends on rejecting the Buxton hypothesis).

In this paper, by a more careful and fuller consideration of the readily available evidence, I attempt to show that both of these propositions are in doubt. By doing so, I wish to question the standard historiography. What has to be explained is the failure to reap economies of scale, but this cannot be done on the grounds of the stifling effect of the state-organized cartel. There is no reason to take Buxton and/or Kirby as an analytical starting point.

This is especially true of studies undertaken at a more disaggregated level, which have come increasingly to challenge the traditional approach.<sup>4</sup> For many objections can be made to aggregate statistical exercises, including those to be described in this paper, although it can be argued that they are

superior to those of Buxton and Kirby which are casual at best. Indeed, my intention is not so much to provide robust cliometric estimates for the interwar industry as to show that the statistical methods that have previously

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<sup>2</sup> See, especially, Buxton, 'Entrepreneurial efficiency'.

<sup>3</sup> See, for example, Kirby, 'The control of competition'. Note that I do not enter into the debate over the meaning of amalgamation, rationalization, etc., between Buxton, Kirby, and others in this journal in 1972. It is not clear that these distinctions can usefully be made in coalmining where, for example, so much uncertainty is associated with production that multiple ownership of mines allows faces or pits to be held in reserve according to the vagaries of either market demand or geological faulting. By 'mechanization', I usually refer to coal cutting by machine.

<sup>4</sup> See the emphasis on cartels through finance in Boyns, 'Rationalisation in the interwar period'; the attention to marketing in Dintenfass, *Industrial decline*; and for an overall view, Supple, *British coal industry*.

## Footnote references

Boyns, T., 'Rationalisation in the interwar period: the case of the south Wales steam coal industry', *Bus. Hist.*, xxix (1987), pp. 282–303.

[Web of Science®](#) | [Google Scholar](#)

Buxton, N., 'Entrepreneurial efficiency in the British coal industry between the wars', *Econ. Hist. Rev.*, 2nd ser., xxiii (1970), pp. 476–97.

[Google Scholar](#)

Dintenfass, M., 'Industrial decline: four British colliery companies between the wars', (unpub. Ph.D. thesis, Columbia Univ., 1985).

[Google Scholar](#)

Evans, T. and Fine, B., 'Economies of scale and the British interwar coal industry', *Birkbeck Discussion Paper*, no. 76 (1980).

[Google Scholar](#)

Fine, B., *Economic theory and ideology* (1980).

[Google Scholar](#)

Fine, B., *The coal question: political economy and industrial change from the nineteenth century to the present day* (1990).

[Google Scholar](#)

---

Fine, B. *et al.*, 'Coal before nationalisation', in B. Fine and L. Harris, *The peculiarities of the British economy* (1985), pp. 287–321.

 | [Google Scholar](#) |

---

Henley, A., 'Price formation and market structure: the case of the inter-war coal industry', *Oxf. Bull. Econ. & Stat.*, 50 (1988), pp. 263–78.

 | [Web of Science®](#) | [Google Scholar](#) |

---

Kirby, M., 'The control of competition in the British coal mining industry in the thirties', *Econ. Hist. Rev.*, 2nd ser., xxvi (1973), pp. 273–84.

 | [Google Scholar](#) |

---

Lucas, A., *Industrial reconstruction and the control of competition* (1937).

 | [Google Scholar](#) |

---

Neumann, A., *Economic organisation of the British coal industry* (1934).

 | [Google Scholar](#) |

---

Paull, C., 'Mechanisation in British and American bituminous coal mines, 1890–1939' ( unpub. M. Phil. thesis, Univ. of London, 1968).

 | [Google Scholar](#) |

---

Rhodes, E., 'Output, labour and machines in the coalmining industry in Great Britain', *Economica*, 12 (1945). PP. 101–10.

 | [Web of Science®](#) | [Google Scholar](#) |

---

Supple, B., *The history of the British coal industry, 4, 1913–46: the political economy of decline* ( Oxford , 1987).

 | [Google Scholar](#) |

---

Thomas, I., 'The Coal Mines Reorganisation Commission', in W. Robson, ed., *Public enterprise: developments in social ownership and control in Great Britain* (1937), pp. 209–46.

 | [Google Scholar](#) |

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