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Kees Gispén

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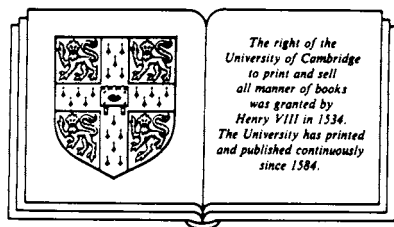
New profession, old order

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Preface

This is a study of engineers and German society in the nineteenth century, of the changes in the educational system, the social hierarchy, and the occupational structure that accompanied the emergence of this new profession. In this sense my deepest concern is not the engineers as such but the general social transformation associated with the Industrial Revolution in Germany. The engineering profession turns out – perhaps not surprisingly – to be particularly useful for understanding key aspects of this larger development. I also believe that reconstructing the engineers' trajectory to 1914 creates new insight into the dynamics of Germany's unique political culture in the late nineteenth century and the early twentieth century. Throughout, therefore, I have attempted to "lift up" seemingly minor issues to a higher level of historical significance, striving to follow the advice of my great Berkeley teacher, Hans Rosenberg. I owe gratitude and intellectual debt in the first place to him.

In addition, I want to thank all those others who helped make possible this book: Gerald Feldman, who first suggested the topic to me and then as the director of my dissertation was tolerant enough to let me venture far afield; Winthrop Jordan, Konrad Jarausch, and James Albisetti, who read the entire manuscript in a late stage and made extremely valuable comments; Reinhard Bendix, Samuel Haber, Tony LaVopa, Steven Vincent, Gary Marker, Jon Knudsen, Peter Bergmann, and Larry Dickey, who at different times helped me by reading individual chapters and discussing the ideas of this study; Hans Mommsen and his seminar group, who at an early stage encouraged me and listened to what must have been rather incoherent observations; Allan Silver, Mel van Elteren, Peter Lundgreen, Lars Scholl, Wolfgang König, Irmgard Steinisch, and the late Hans Ebert, with whom I had stimulating discussions.

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Bodo Herzog of the Historical Archive of the Gute Hoffnungshütte, Oberhausen; Frau Irmgard Denking of the Historical Archive of the Maschinenfabrik Augsburg-Nürnberg in Augsburg; Herr Reuss of Klöckner-Humboldt-Deutz in Cologne; and Herr Waldmann and his staff of the Zentrales Staatsarchiv, Historische Abteilung II, Merseburg. I also had generous help from librarians and archivists at the Verein Deutscher Eisenhüttenleute in Düsseldorf, the Deutsches Museum in Munich, the Zentrales Staatsarchiv in Potsdam, the Nuremberg Archive of the MAN, and the John Crerar Library in Chicago. In 1979–80 the History Department of Erasmus University in Rotterdam arranged a leisurely teaching schedule that enabled me to spend a great deal of time writing.

The Social Science Research Council, the Mabelle McLeod Lewis Memorial Fund, the National Endowment for the Humanities, the Regents of the University of California, and the Graduate School of the University of Mississippi have provided very generous financial help, without which my research and writing would have been impossible.

My greatest debt is to my parents, to whom I dedicate this book.

Oxford, Mississippi
February 1989

Abbreviations

BdI	Bund der Industriellen
BIE	“Bureau of Industrial Education,” desk for technical education in the Prussian Ministry of Trade
Btrib	Bund der technisch-industriellen Beamten
CDI	Centralverband Deutscher Industrieller
DATSCH	Deutscher Ausschuss für Technisches Schulwesen
DHV	Deutsch-Nationaler Handlungsgehilfen-Verband
DIBZ	<i>Deutsche Industriebeamten-Zeitung</i>
DTV	Deutscher Techniker-Verband
DVSGE	Deutscher Verein für den Schutz des gewerblichen Eigentums
DWV	Deutscher Werkmeister-Verband
GDM	Gesamtverband Deutscher Metalindustrieller
GHH	Gutehoffnungshütte
HMBS	Higher Machine Building School
LGA	Prussian Landesgewerbeamt
LMBS	Lower Machine Building School
MAN	Maschinenfabrik Augsburg-Nürnberg
MBS	Machine Building School
SPD	Social Democratic Party
VBG	Verein zur Beförderung des Gewerbflusses
VBEM	Verband Berliner Metalindustrieller
VBM	Verband Bayerischer Metalindustrieller
VDDI	Verband Deutscher Diplom-Ingenieure
VDE	Verband Deutscher Elektrotechniker
VDESI	Verein Deutscher Eisen- und Stahlindustrieller
VDEh	Verein Deutscher Eisenhüttenleute
VDI	Verein Deutscher Ingenieure
VDMA	Verein Deutscher Maschinenbau-Anstalten
VDMI	Verein Deutscher Maschinen-Ingenieure

ABBREVIATIONS USED IN THE NOTES

DATSCH AB	DATSCH <i>Abhandlungen und Berichte</i>
DBZ	<i>Deutsche Bauzeitung</i>
DIBZ	<i>Deutsche Industriebeamten-Zeitung</i>
DS (1883)	<i>Denkschrift über die Entwicklung der gewerblichen Fachschulen in Preussen . . . während der Jahre 1881 und 1882</i> (Berlin: 1883), in ZSTA II, Geheimes Zivilkabinet, 2.2.1, Nr. 29970, Bl. 124–44f.
DS (1891)	<i>Denkschrift über die Entwicklung der Fortbildungsschulen und der gewerblichen Fachschulen in Preussen . . . während der Jahre 1883 bis 1890</i> (Berlin: Ministerium für Handel und Gewerbe, 1891), in ZSTA II, MHG, Rep. 120, E. I. Gen. Nr. 1, vol. 1–2, Bl. 56–102.
DS (1896)	<i>Denkschrift über die Entwicklung der Fortbildungsschulen und der gewerblichen Fachschulen in Preussen . . . während der Jahre 1891 bis 1895</i> (Berlin: Ministerium für Handel und Gewerbe, 1896), in ZSTA II, MHG, Rep. 120, E. I. Gen. Nr. 1, vol. 3.
DTZ	<i>Deutsche Techniker-Zeitung</i>
GA	<i>Glaser's Annalen für Gewerbe und Bauwesen</i>
HdA	Prussia, Haus der Abgeordneten, <i>Stenographische Berichte der Verhandlungen</i>
HA/GHH	Historisches Archiv der Gutehoffnungshütte
MHG	Prussia, Ministerium für Handel und Gewerbe.
NGug	MAN Werksarchiv Augsburg, Nachlass Guggenheimer
VDDIZ	<i>Zeitschrift des Verbandes Deutscher Diplom-Ingenieure</i>
VDIW	<i>Wochenschrift des Vereins Deutscher Ingenieure</i>
VDIZ	<i>Zeitschrift des Vereins Deutscher Ingenieure</i>
VDMA ZM	<i>VDMA Zwangslose Mitteilungen</i>
VERH (1896)	<i>Verhandlungen der ständigen Kommission für das technische Unterrichtswesen zu Berlin am 13. und 14. Januar 1896</i> (Berlin: 1897), in ZSTA II, MHG, Rep. 120, E. I. Gen. Nr. 7, vol. 3, Bl. 198–228.
VERH (1898)	<i>Verhandlungen über die Organisation der preussischen Maschinenbauschulen zu Berlin am 6. und 7. Mai 1898</i> (Berlin: 1899), in ZSTA II, MHG, Rep. 120, E. IV. 1, Nr. 5, vol. 2, Bl. 41–80f.
VVBG	<i>Verhandlungen des Vereins zur Beförderung des Gewerbflusses.</i>
ZSTA II	Zentrales Staatsarchiv, Hist. Abt. II (Merseburg).