

中国 1989

钢铁工业年鉴

上册

THE YEARBOOK
OF IRON AND STEEL
INDUSTRY
OF CHINA I

冶金工业出版社

METALLURGICAL INDUSTRY PRESS

中国 1989

钢铁工业年鉴

上册

THE YEARBOOK OF IRON AND STEEL INDUSTRY OF CHINA I

《中国钢铁工业年鉴》编辑委员会

THE EDITORIAL BOARD OF THE YEARBOOK
OF IRON AND STEEL INDUSTRY OF CHINA

冶金工业出版社

METALLURGICAL INDUSTRY PRESS

声 明

《中国钢铁工业年鉴》版权归《中国钢铁工业年鉴》

编辑委员会所有，不准翻印

1989 中国钢铁工业年鉴

(上 册)

冶金工业部《中国钢铁工业年鉴》编辑委员会编

*

冶金工业出版社出版发行

(北京北河沿大街嵩祝院北巷33号)

新华书店总店科技发行所经销

冶金工业出版社印刷厂印刷

*

787×1092 1/16 印张 15 1/4插页 24字数 439 千字

1989年10月第一版 1989年10月第一次印刷

印数00,001~6,000册

ISBN 7-5024-0618-2

Z·8 定价17.15元

Statement

**All distribution and copy rights of the
"Year Book of Iron and Steel Industry of China"
are reserved by the Editorial Board of the
"Year Book of Iron and Steel Industry of China."
Reprint is forbidden**

The Year Book of Iron and Steel Industry of China (1989)

(I)

Edited by

**the Editorial Board of the "Year Book of Iron and Steel Industry of China"
Ministry of Metallurgical Industry**

Published by the Metallurgical Industry Press

(39 Songzhuyuan Beixiang Beiheyuan Street Beijing)

**Sold by the Scientific and technical Distribution Department
of the General Store of the Xinhua Book Store**

Printed by the printing factory of the Metallurgical Industry Press

787×1092 1/16 Number 15 1/4 inset 24 439 Thousand words

The first edition Oct. 1989 The first printing Oct. 1989

Impression 00001~06 000 copies

ISBN 7-5024-0618-2

Z·8 Fixed Price

编辑出版说明

NJ83/10
《中国钢铁工业年鉴》是一部全面、系统、如实记录中国钢铁工业发展史的文献资料性工具书。《中国钢铁工业年鉴》于1985年创办，1989年刊是第五期。本着“质量第一，少而精”的编辑方针，为了更好地发挥《年鉴》的服务作用，从1989年起将《中国钢铁工业年鉴》编为上、下两册，分别出版。

1989年《中国钢铁工业年鉴》上册为中国钢铁工业统计资料快报版；下册为综合版。备有英文目录和中英文对照的统计栏目。全书力求内容丰富翔实，图文并茂。

1989年《中国钢铁工业年鉴》上册，主要报道1988年的中国钢铁工业生产和发展的统计资料。主要内容有：第一部分，1988年的中国钢铁工业——概要的经济分析与战略展望；第二部分，中国钢铁工业统计资料；第三部分，国际钢铁工业统计资料。为了让读者和用户能够通过1989年《中国钢铁工业年鉴》上册，较全面地了解中国钢铁工业发展的概况，我们收编了1949年以来中国钢铁工业主要指标的历年统计资料。

本书所收统计资料截止时间为1988年末，由中华人民共和国冶金工业部计划司、经济调节司、矿山司、生产司、建设司、质量标准司、安环司、科技司、政策法规司、体制改革司、人事司、教育司、外事司、宝钢工程办、钢材加工公司、冶金工业部情报研究总所，以及冶金经济发展研究中心提供。统计资料暂未包括港、澳、台地区。

由于时间仓促，缺少经验，漏误之处，请读者指正，并一律以国家统计局发布的数字为准。

《中国钢铁工业年鉴》编辑部

1989年4月

INTRODUCTION

The "Year Book of Iron and Steel Industry of China" is a comprehensive systematic reference book of documentary material which presents realistic records of the developmental history of the Chinese iron and steel industry. It was published initially in 1985. The "Year Book of Iron and Steel Industry of China (1989)" turns out to be the fifth issue. This issue is divided into two volumes, they will be published separately in order to better serve the kindest readers and the users. The first volume is an express version concerning statistics data of China's iron and steel industry while the second volume is a comprehensive follow-up. And there are provided contents in English together with statistics columns in both Chinese and English for cross reference. This year book is edited following the guiding principle "quality first, less but better in quantity". The entire book is desired to be rich and accurate in content as well as in flourishing pictures and photos.

This book is the first volume of the "Year Book of Iron and Steel Industry of China" mainly reporting the statistics data on the production and development of the Chinese Iron and Steel Industry in 1988. The main content of it is drafted into three parts, of which the first part is "Iron and Steel Industry of China in 1988——an outlining economic analysis and strategic prospect"; the second part comprises statistics data of the Chinese iron and steel industry and the third part consists of statistics data of the international iron and steel industries. In order that the readers and the users could obtain a better overall understanding of the general development of the Chinese iron and steel industry, we have herein collected and edited the principal indices of the annual statistics data related to the Chinese iron and steel industry since 1949. All the figures herein will be standardized by those published in the announcements of the State Statistics Bureau.

The statistics data collected in this issue extend to the end of 1988 and are provided by the Planning Department, the Economy Regulation Department, the Mining Department, the Production Department, the Construction Department, the Quality and Standard Department, the Security & Environmental Protection Department, the Science & Technology Department, the Policy Research and Legislation Department, the System Reform Department, the Personnel Department, the Education Department, the Foreign Affairs Department, the Baoshan Steel Project office, the Finished Steel Processing Corporation, the Technical Information Center as well as the Metallurgical Economic R & D Centre of the Ministry of Metallurgical Industry, P. R. C. For the time being, the book does not include the statistics data of Hongkong, Macao and Taiwan.

As time is pressing and we have not experiences enough, if any mistakes or errors here within, readers' advices will be much appreciated.

The Editorial Department of
the "Year Book of Iron and Steel Industry of China"
April, 1989

编辑委员会

主任委员 戚元靖

副主任委员 徐大铨 凌华椿
韦 刚 张信传

Editorial Board

Director of the editorial board

Qi Yuan Jing

Deputy director of the editorial board

Xu Da Quan Ling Hua Chun

Wei Gang Zhang Xin Chuan

业务顾问: 梁 才 徐广成

Professional advisor

Liang Cai Xu Guang Cheng

编辑部人员

编辑部主任: 朱孟明

编辑部副主任: 招 冀 左兢业

特邀编辑: 李健天

责任编辑: 赵敦君 罗 书

技术编辑: 刘国联

装帧编辑: 陆晓婷

英文翻译: 姜佐才 陆 琦

刘静海 罗 书

Editorial Staffs

Director of the editorial department

Zhu Meng Ming

Deputy director of the editorial department

Zhao Ji Zuo Jing Ye

Specially invite editor

Li Jian Tian

Duty editor

Zhao Dun Jun Luo shu

Technological editor

Liu Guo Lian

Binding designer

Lu Xiao Ting

English translation

Jiang Zuo Cai Lu Qi

Liu Jing Hai Luo shu

参加本书编辑和资料收集工作的有:

贾红雨 李 红 邱永祥 侯保勤

金吉雄 贾丹枫 米玉敏 柳 琼

李苏萍 司立群 张超光 赵镜蓉

陈国康 姜玉华

Cooperators in editing and gathering material
for this book

Jia Hong Yu Li Hong Qiu Yong Xiang

Hou Bao Qin Jin Ji xiong Jia Dan Feng

Mi Yu Min Liu Qiong Li Su Ping

Si Li Qun Zhang Chao Guang

Zhao Jing Rong Chen Guo Kang

Jiang Yu Hua



李鹏考察澳大利亚恰那铁矿 (1988. 11. 15)

Li Peng inspecting Channer Iron Mine in
Australia (Nov. 15, 1988)

李鹏
一九八八年
十一月十五日
於恰那铁矿

李鹏亲笔签名 (1988年11月15日)

Li Peng's autograph (Nov. 15, 1988)



1988年春节，人大常委会委员长万里到首钢视察。图为首钢工厂委员会主任周冠五向万里汇报工作
Wan Li- president of National People's Congress (NPC) Standing Committee inspected Shoudu Iron and Steel Complex, during 1988 Spring Festival. Zhou Guanwu, Chairman of the board of directors of Shoudu Iron and Steel Complex, reports to Wan Li on their work

目 录

第一部分	1
1988年的中国钢铁工业——概要的经济分 析和战略展望	1
第二部分	18
I. 综合统计资料	18
1. 钢铁工业部分指标在国民经济中所占 比重	18
2. 钢铁工业基本概况统计	20
3. 钢铁工业固定资产投资新增生产能力	24
(1) 基本建设新增能力	24
(2) 更新改造新增能力	25
4. 钢铁企业基本概况	26
(1) 重点企业基本概况(1988年)	26
(2) 地方中小骨干企业基本概况 (1988年)	34
II. 1988年中国钢铁工业统计资料	46
1. 总产值	46
(1) 全国钢铁工业分地区总产值	46
(2) 全国钢铁工业分地区净产值及其 构成(分配法)	47
(3) 全国钢铁工业分地区净产值及其 构成(生产法)	48
2. 主要产品产量	50
(1) 全国分地区钢产量及分类	50
(2) 重点企业钢产量及分类	52
(3) 地方中小骨干企业钢产量及分类	54
(4) 全国分地区生铁产量及分类	58
(5) 重点企业生铁产量及分类	59
(6) 地方中小骨干企业生铁产量及 分类	60
(7) 全国分地区按加工方式划分的 成品钢材产量	63
(8) 全国分地区按品种划分的成品 钢材产量	64
(9) 重点企业按加工方式划分 的成品钢材产量	66
(10) 重点企业按品种划分的成品 钢材产量	68
(11) 地方中小骨干企业按品种划分 的成品钢材产量	70
(12) 全国分地区铁矿石、焦炭、铁 合金及耐火材料产量	76
(13) 重点企业铁矿石、焦炭、铁合 金及耐火材料产量	78
(14) 全国分地区铁矿采、剥、掘作业量	81
(15) 重点矿山铁矿采、剥、掘作业量	82
3. 成品钢材的生产、销售和企业库存	84
(1) 重点企业成品钢材的生产、销 售和企业库存	84
(2) 地方中小骨干企业成品钢材的 生产、销售和企业库存	86
4. 能源消耗	87
(1) 全国钢铁工业分地区能源消耗	87
(2) 重点企业能源消耗	88
(3) 地方中小骨干企业能源消耗	91
(4) 重点企业燃料煤耗用量	95
(5) 地方中小骨干企业燃料煤耗用量	98
(6) 重点企业电力耗用量	102
(7) 地方中小骨干企业电力耗用量	105
5. 钢铁企业的环境保护	112
(1) 重点企业的环境保护	112
(2) 地方中小骨干企业的环境保护	116
6. 主要技术经济指标	120
(1) 全国钢铁企业主要技术经济指标	120
(2) 重点企业烧结主要技术经济指标	123
(3) 重点企业高炉炼铁主要技术经济	

指标·····	124	(8) 地方中小骨干企业按专业划分更新改造投资·····	168
(4) 重点企业平炉炼钢主要技术经济指标·····	125	8. 钢铁工业主要生产设备总量	
(5) 重点企业电炉炼钢主要技术经济指标·····	126	(1988年末)·····	171
(6) 重点企业转炉炼钢主要技术经济指标·····	127	9. 劳动工资·····	174
(7) 重点企业轧钢主要技术经济指标·····	128	(1) 钢铁工业职工人数及分类·····	174
(8) 重点企业钢材分品种合格率及成材率·····	129	(2) 钢铁工业按固定职工、合同职工、临时职工划分的人数·····	175
(9) 重点企业初轧、锻钢主要技术经济指标·····	134	(3) 钢铁工业按固定职工、合同职工、临时职工划分的工资总额·····	176
(10) 重点企业炼焦主要技术经济指标·····	135	10. 冶金系统中其它企、事业单位的基本情况·····	178
(11) 重点企业铁合金技术经济指标·····	136	(1) 冶金系统重点施工企业主要指标·····	178
(12) 重点矿山企业的露天铁矿技术经济指标·····	138	(2) 重点机修厂主要指标·····	180
(13) 重点矿山企业的坑下铁矿主要技术经济指标·····	140	(3) 1988年冶金工业部直属科研院所人员经费情况·····	182
(14) 重点企业选矿厂技术经济指标·····	141	Ⅲ. 历年统计资料·····	184
(15) 地方中小骨干企业炼铁技术经济指标·····	144	1. 历年总产值·····	184
(16) 地方中小骨干企业电炉炼钢技术经济指标·····	146	(1) 钢铁工业总产值、净产值·····	184
(17) 地方中小骨干企业转炉炼钢技术经济指标·····	148	(2) 钢铁工业主要时期总产值平均增长速度·····	185
(18) 地方中小骨干企业轧钢技术经济指标·····	150	2. 历年产品产量·····	185
7. 固定资产投资·····	152	(1) 钢铁工业主要产品产量·····	185
(1) 钢铁工业固定资产投资总额·····	152	(2) 钢铁工业各时期主要产品累计产量·····	186
(2) 钢铁工业基本建设大中型和小型项目投资额·····	153	(3) 钢铁工业各时期平均增长速度·····	187
(3) 钢铁工业按用途划分更新改造投资·····	154	(4) 1949年~1988年钢产量及分类·····	188
(4) 重点企业按用途划分更新改造投资·····	155	(5) 1949年~1988年钢材产量及分类·····	190
(5) 地方中小骨干企业按用途划分更新改造投资·····	159	(6) 1949年~1988年全国生铁、铁合金产量·····	192
(6) 钢铁工业按专业划分更新改造投资·····	164	(7) 1949年~1988年全国焦炭产量·····	193
(7) 重点企业按专业划分更新改造投资·····	165	(8) 1949年~1988年全国耐火材料产量·····	194
		(9) 1949年~1988年全国炭素制品产量·····	195
		(10) 1949年~1988年全国铁矿石、铁精矿及人造富矿产量·····	196
		(11) 1949年~1988年全国钢铁生产用辅助原料矿产量·····	197
		(12) 1949年~1988年全国矿铁比、	

焦铁比、铁钢比、材钢比·····	198	(1) 钢铁产品及钢材进出口额·····	211
3. 历年主要财务指标·····	199	(2) 其它钢铁产品进口数量·····	213
(1) 1949年~1988年钢铁工业主要 财务指标·····	199	(3) 其它钢铁产品出口数量·····	214
(2) 1953年~1988年钢铁工业利润 和税金平均增长速度·····	199	(4) 钢铁产品进口用汇额·····	215
(3) 重点企业主要财务指标·····	200	(5) 其它冶金产品出口创汇额·····	215
(4) 地方中小骨干企业主要财务指标 ·····	201	(6) 近十年我国进口钢材的主要来 源国家或地区·····	216
4. 历年主要技术经济指标·····	202	第三部分 ·····	220
(1) 重点矿山采、选主要技术经济 指标·····	202	1. 世界粗钢历年总产量·····	220
(2) 重点企业炼铁技术经济指标·····	203	2. 世界主要产钢国家或地区1983年粗钢 产量及其同1987年的对比·····	221
(3) 重点企业平炉、电炉炼钢主要技术 经济指标·····	204	3. 世界各国或地区钢消费量·····	222
(4) 重点企业顶吹氧转炉炼钢技术 经济指标·····	205	4. 世界各国或地区人均钢消费量·····	223
(5) 重点企业轧钢、炼焦技术经济指 标·····	206	5. 各主要产钢国家几种成品钢材产量·····	224
5. 历年主要生产设备拥有量·····	207	6. 各主要产钢国家热轧钢材及其分品 种产量(1) ·····	225
(1) 钢铁工业主要设备总量·····	207	7. 各主要产钢国家热轧钢材及其分品 种产量(2) ·····	226
(2) 重点企业主要生产设备总量·····	209	8. 各主要国家钢材进口量(1) ·····	227
6. 历年钢铁产品进出口情况·····	211	9. 各主要国家钢材进口量(2) ·····	228
		10. 各主要国家钢材出口量(1) ·····	229
		11. 各主要国家钢材出口量(2) ·····	230

CONTENTS

PART 1	(1)		
The iron and steel industry of china in 1988—an outlining economic analysis and strategic prospect	(1)		
PART 2	(18)		
I STATISTICS of GENERAL SURVEY	(18)		
1. Proportion of some indexes of the iron and steel industry to national economy	(18)		
2. Basic statistics of the iron and steel industry	(20)		
3. Newly increased production capacity by investment in fixed assets of the iron and steel industry	(24)		
(1) Newly increased production capacity by capital construction	(24)		
(2) Newly increased production capacity by technical updating and transformation	(25)		
4. Basic statistics of iron and steel enterprises	(26)		
(1) Statistics of key iron and steel enterprises (1988)	(26)		
(2) Statistics of local major medium-small iron and steel enterprises (1988)	(34)		
II STATISTICS of CHINA'S IRON AND STEEL INDUSTRY in 1988	(46)		
1. Gross output value	(46)		
(1) Gross output value of the iron and steel industry by provinces	(46)		
(2) Net output value and its composition in the iron and steel industry by provinces (by allocation method)	(47)		
(3) Net output value and its composition in the iron and steel industry by provinces (by production method)	(48)		
2. Output of major products	(50)		
(1) National output of crude steel by provinces and category	(50)		
(2) Output of crude steel in key iron and steel enterprises by category	(52)		
(3) Output of crude steel in local major medium-small iron and steel enterprises by category	(54)		
(4) National output of pig iron by provinces and category	(58)		
(5) Output of pig iron of key iron and steel enterprises by category	(59)		
(6) Output of pig iron of local major medium-small iron and steel enterprises by category	(60)		
(7) National output of finished rolled steel products by process and provinces	(63)		
(8) National output of finished rolled steel products by variety and provinces	(64)		
(9) Output of finished rolled steel products in key iron and steel enterprises by process	(66)		
(10) Output of finished rolled steel products in key iron and steel enterprises by variety	(68)		
(11) Output of finished rolled steel products in local major medium-small iron and steel enterprises by variety	(70)		
(12) National output of iron ore, coke, ferroalloy and refractory by provinces	(76)		
(13) Output of iron ore, coke, ferroalloy and refractory in key iron and steel enterprises	(78)		
(14) National amount of ore mined, waste			

stripped and rock excavated in iron mines by provinces..... (81)	(5) Principal technical economic indexes of electric furnace steelmaking in key iron and steel enterprises..... (126)
(15) Amount of ore mined, waste stripped and rock excavated in key iron mines..... (82)	(6) Principal technical economic indexes of converter steelmaking in key iron and steel enterprises.....(127)
3. Production, sale and enterprise stock of finished rolled steel products..... (84)	(7) Principal technical economic indexes of steel rolling in key iron and steel enterprises..... (128)
(1) Statistics of rolled steel output, sale and enterprise stock of key iron and steel enterprises..... (84)	(8) Ratio of qualified and yield of rolled products in key iron and steel enterprises by variety.....(129)
(2) Statistics of rolled steel output, sale and enterprise stock of local major medium-small iron and steel enterprises (86)	(9) Principal technical economic indexes of blooming (slabbing) and forging in key iron and steel enterprises.....(134)
4. Energy consumption..... (87)	(10) Principal technical economic indexes of coking in key iron and steel enterprises(135)
(1) Energy consumption in the iron and steel industry by provinces..... (87)	(11) Principal technical economic indexes of ferroalloy production in key iron and steel enterprises.....(136)
(2) Energy consumption by key iron and steel enterprises.....(88)	(12) Principal technical economic indexes of opencast in key iron mines(138)
(3) Energy consumption by local major medium-small enterprises (91)	(13) Principal technical economic indexes of underground in key iron mines enterprises(140)
(4) Fuel coal consumption by key iron and steel enterprises..... (95)	(14) Principal technical economic indexes of ore-dressing plants in key enterprises..... (141)
(5) Fuel coal consumption by local major medium-small enterprises..... (98)	(15) Principal technical economic indexes of blast furnace iron making in local major medium-small iron and steel enterprises(144)
(6) Electricity consumption by key iron and steel enterprises..... (102)	(16) Principal technical economic indexes of electric furnace steelmaking in local major medium-small enterprises..... (146)
(7) Electricity consumption by local major medium-small enterprises (105)	(17) Principal technical economic indexes of converter steelmaking in local major medium-small iron and steel enterprises..... (148)
5. Environmental protection of iron and steel enterprises..... (112)	(18) Principal technical economic indexes of steel rolling in local major medium-small iron and steel enterprises(150)
(1) Indexes of environmental protection of key iron and steel enterprises (112)	7. Investment in fixed assets (152)
(2) Environmental protection of local major medium-small iron and steel enterprises..... (116)	(1) Total investment in fixed assets of the iron and steel industry..... (152)
6. Principal technical economic indexes..... (120)	(2) Investment in capital construction of large, medium and small projects of
(1) Average principal technical economic indexes of all the iron and steel industry(120)	
(2) Principal technical economic indexes of sintering production in key iron and steel enterprises..... (123)	
(3) Principal technical economic indexes of blast furnace iron making in key iron and steel enterprises.....(124)	
(4) Principal technical economic indexes of open-hearth steelmaking in key iron and steel enterprises.....(125)	

the iron and steel industry..... (153)	value of the iron and steel industry..... (184)
(3) Investment in technical updating and transformation of the iron and steel industry by purpose..... (154)	(2) Gross output value in the iron and steel industry—average annual growth rate each major period.....(185)
(4) Investment in technical updating and transformation of key iron and steel enterprises by purpose.....(155)	2. Output of products over the past years..... (185)
(5) Investment in technical updating and transformation of local major medium-small enterprises by purpose..... (159)	(1) Output of major industrial products in the iron and steel industry.....(185)
(6) Investment in technical updating and transformation of the iron and steel industry by operation(164)	(2) Grand total output of major industrial products in the iron and steel industry each period.....(186)
(7) Investment in technical updating and transformation of key enterprises by operation..... (165)	(3) Output of major industrial products in the iron and steel industry—average annual growth rate each period..... (187)
(8) Investment in technical updating and transformation of local major medium-small enterprises by operation.....(168)	(4) Output of crude steel by category from 1949 to 1988..... (188)
8. Total number of major production equipment in the iron and steel industry (1988 year-end)..... (171)	(5) National output of rolled steel by category from 1949 to 1988.....(190)
9. Labour force and wages.....(174)	(6) National output of pig iron and ferroalloy from 1949 to 1988.....(192)
(1) Number of staff and workers in the iron and steel industry by category..... (174)	(7) National output of coke from 1949 to 1988..... (193)
(2) Number of permanent, contract and temporary staff and workers in the iron and steel industry..... (175)	(8) National output of refractories from 1949 to 1988.....(194)
(3) Total pay-roll of permanent, contract temporary staff and workers in the iron and steel industry.....(176)	(9) National output of carbon products from 1949 to 1988..... (195)
10. Basic statistics of other enterprises and institute in metallurgical system (178)	(10) National output of iron ore, iron ore concentrate and agglomerate from 1949 to 1988..... (196)
(1) Principal indexes of key construction enterprises in metallurgical system.....(178)	(11) Output of auxilliary raw material ores for iron and steel production from 1949 to 1988..... (197)
(2) Principal indexes of key metallurgical machinery repairing and manufacturing factories.....(180)	(12) Proportion of output of iron ore, coke, pig iron, crude steel and rolled steel.....(198)
(3) Statistics of manpower and fund of the scientific research institutes directly affiliated to MMI in 1988.....(182)	3. Indexes of financial activity over the past years.....(199)
III STATISTICS OVER THE PAST YEARS (184)	(1) Principal financial indexes of the iron and steel industry from 1949 to 1988.....(199)
1. Gross output value over the past years(184)	(2) Average annual growth rate of profits and taxation in the iron and Steel industry from 1953 to 1988..... (199)
(1) Gross output value and net output	(3) Principal financial indexes of key iron and steel enterprises.....(200)
	(4) Principal financial indexes of local major medium-small enterprises(201)
	4. Principal technical economic indexes

over the past years.....	(202)	steel products.....	(214)
(1) Principal technical economic indexes in key iron mines and ore-dressing plants.....	(202)	(4) Value of import iron and steel products.....	(215)
(2) Principal technical economic indexes of iron making in key iron and steel enterprises.....	(203)	(5) Value of export other metallurgical products.....	(215)
(3) Principal technical economic indexes of openhearth and electric furnace steelmaking in key iron and steel enterprises.....	(204)	(6) Major countries and areas of import rolled steel for our country from 1978 to 1988.....	(216)
(4) Principal technical economic indexes of top-blown converter steelmaking in key iron and steel enterprises	(205)	PART 3	(220)
(5) Principal technical economic indexes of steel rolling and coking in Key iron and steel enterprises.....	(206)	1. World crude steel production over the past years of 20th century.....	(220)
5. Number of major production equipment over the past years.....	(207)	2. Output of crude steel in 1988 as compared with output of crude steel in 1987 by major countries or areas in the world.....	(221)
(1) Total number of major production equipment in the iron and steel industry.....	(207)	3. Apparent steel consumption by countries or areas in the world.....	(222)
(2) Total number of major production equipment in key iron and steel enterprises.....	(209)	4. Apparent steel consumption per capita by countries or areas in the world	(223)
6. Statistics of iron and steel products import and export over the past years.....	(211)	5. Output of a few finished rolled steel products by major countries.....	(224)
(1) Value of import and export iron and steel products and rolled steel.....	(211)	6. Output of hot rolled steel in major countries by profiles (1).....	(225)
(2) Volume of import other iron and steel products.....	(213)	7. Output of hot rolled steel by major countries and profiles (2).....	(226)
(3) Volume of export other iron and		8. Volume of import rolled steel by major countries (1).....	(227)
		9. Volume of import rolled steel by major countries (2).....	(228)
		10. Volume of export rolled steel by major countries (1).....	(229)
		11. Volume of export rolled steel by major countries (2).....	(230)

第一部分

PART 1

1988年的中国钢铁工业

——概要的经济分析和战略展望

冶金经济发展研究中心

1988年,中国钢铁工业的生产持续增长,建设顺利推进,改革逐步深入,产品的品种质量、企业的技术进步、经济效益和管理素质,都有新的提高,是中国改革以来发展得较好的第十个年头。这一年,也遇到了外部条件煤、电、运紧张的情况,一部分钢铁企业在下半年,产量有所下降,生产能力没有得到充分的发挥。

一、1988年,全国粗钢产量达到5943万吨,比1987年增加315万吨,比十年前的1978年,接近翻了一番。也就是说,十年间,中国钢铁工业从3000万吨的台阶进到了6000万吨的台阶,平均每年增长276.5万吨钢,年平均增长速度为6.46%。这里有三个特点:

1. 从世界钢的发展历史看,从三千万吨上到六千万吨左右,美国经过了28年,西德经过了14年,苏联经过了8年,日本只经过了4年,中国则是10年。这在人口众多、国民收入还很低的中国,快于美国和西德,是来之不易的。因为在他们达到6000万吨左右钢时,美国、西德、苏联、日本的人均国民收入,已分别达到了616美元,5666美元,718美元和1049美元,都远远高于中国1988年的近300美元。(具体情况如下表)

国别	3000万吨台阶	6000万吨台阶	钢产量达6000万吨时的人均国民收入
美国	1912年(3175万吨)	1940年(6077万吨)	616美元/人
西德	1960年(3410万吨)	1974年(5323万吨)	5666美元/人
苏联	1951年(3135万吨)	1959年(5995万吨)	718美元/人
日本	1963年(3150万吨)	1967年(6215万吨)	1049美元/人
中国	1978年(3178万吨)	1988年(5943万吨)	300美元/人

2. 这十年间,中国的钢产量除1981年比上年下降4%以外,一直都是稳定上升的,六十、七十年代那种大起大落的剧烈波动情况已基本扭转。

3. 钢的增长是在材钢比、连铸比、低合金钢比逐步提高,而铁钢比、平炉钢比、吨钢综合能耗逐步下降的情况下实现的。这说明钢铁工业的主要技术经济指标和生产技术结构有了相当的改善(见下表)。