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**WAGES IN SWEDEN**

**1860—1930**

**IN TWO PARTS**

WAGES, COST OF LIVING  
AND NATIONAL INCOME  
IN SWEDEN 1860—1930

BY THE STAFF OF  
THE INSTITUTE FOR SOCIAL SCIENCES,  
UNIVERSITY OF STOCKHOLM



VOLUME II  
WAGES IN SWEDEN  
1860—1930  
PART ONE  
MANUFACTURING AND MINING

LONDON  
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**WAGES IN SWEDEN**

**1860—1930**

**BY**

**GÖSTA BAGGE**

**ERIK LUNDBERG**

**INGVAR SVENNILSON**

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## PREFACE

In Volume II of the series of studies on *Wages, Cost of Living and National Income in Sweden 1860—1930* are published the results of the investigations on *Wages in Sweden 1860—1930*, carried on at the Institute for Social Sciences in the University of Stockholm. The volume is published in two parts of which Part One is contained in the present publication.

As is true of all the studies of this series, *Wages in Sweden 1860—1930* is a joint product of the Staff of the Institute, and it is not possible to ascribe to each member of the Staff a definite part in the results. Among the authors of Volume II, I am responsible for the planning and management of the investigations as well as for the final shape and content of the publications, Mr Lundberg and Mr Svenilsson for the preparation of text and tables.

As regards Part One of the study, published in the present volume, Professor Erik Lindahl and Dr Bertil Nyström, the head of the Social Board's department of wage statistics, have taken an active part in the planning of the investigations. Professor Lindahl was for some time in charge of the collection and compilation of the primary material. Mr Nils Lagerström has assisted in preparing Chapter IV and the monographs on wages and labour conditions in the iron, steel and mining industries; Mr Sven Bouvin has composed the summary of the official wage statistics regarding manufacturing and mining for the years 1913—1930 and the combination of these statistics with the wage series of the Institute in Chapter XIII. The exacting task of checking figures and seeing the book through the press was accomplished by Miss Maj Ahlberg. Professor Dorothy Thomas has kindly read the whole book in proof.

The study could not have been undertaken without

## PREFACE

the cooperation of many persons in the different concerns and institutions which have opened their records to us. They have answered innumerable questions, given advice at all stages of the investigation and, as experts, checked different parts of the final text. Their number is, in fact, so large that an enumeration is impossible, and only a general acknowledgement of the value of their contributions and the indebtedness of the Staff of the Institute can here be expressed.

As already mentioned in Volume I, all the studies on Wages, Cost of Living and National Income at the Institute have been financed by the Laura Spelman Rockefeller Memorial.

Lastly, it may be mentioned here (although it is more fully explained in the Introduction) that this volume consists mainly of material compiled with a view to constituting a beginning and a basis for further detailed and analytical studies of the movement of wages in Sweden during the period under consideration. Even from this point of view, however, certain important complements to a statistical study of wages, such as e.g. measures of changes in the volume of unemployment and in the efficiency of labour, are lacking.

For the convenience of the reader it may be pointed out, that the principal results and generalizations are published in Chapters III and XIII (p. 255—267) and that the main wage series are to be found in the beginning of each of the chapters on the different industries (viz. chapters IV—XII). The details regarding the material and the wage series are in approximately the same order in all chapters. Still further details are to be found in the monographs on special concerns, which form the last part of the volume. Through this arrangement it is hoped that the reader will be able rapidly to acquaint himself with the contents of the publication and to find the desired information without having to go through the whole, not very readable volume.

Stockholm, September 1933.

*Gösta Bagge.*



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## APPENDIX.

### LIST OF OCCUPATIONAL TERMS USED IN THIS VOLUME, WITH SWEDISH EQUIVALENTS.

One of the greatest difficulties in translating this volume from Swedish to English has been caused by the different practices in the two languages in regard to occupational terminology. In Swedish industries there is a multiplicity of very detailed occupational sub-classes, each of which has a special name descriptive of its function, whereas in English and American industries the general rule seems to be to call by a single name many such occupational sub-classes. We have therefore found it necessary to construct special English equivalents (in many cases merely literal translations of the Swedish) for these Swedish occupations, and we therefore present the following list of our constructed English terminology with the exact Swedish equivalents in order that our Swedish readers may the more easily identify these English terms.

<i>English term</i>	<i>Chapter</i>	<i>Swedish term</i>
adjuster	IV, VII	justerare, reglerare
anchor-journeyman	IV	ankargesäll
anchor-master	IV	ankarmästare
anchor-master's helper	IV	ankardräng
anchor-smith	IV	ankarräckarmästare
anvil-hardener	IV	städhärdare
anvil-smith	IV	städsmed
assistant	IV	dräng, hantlangare
backtender	IX	passare
bar-carrier	XII	stångbärare
barge-builder	IV	skutbyggare
barge-man	IV	skutkarl
barker	VIII	barkare
beaterman	IX	valsare
blacksmith	IV, V	klensmed, smed
blacksmith's helper	IV	klensmedsdräng
blast-furnace worker	IV	hyttarbetare
blaster	VI	sprängare
bleacher	IX	blekare
blower	VI	upplåsare
board-carrier	VII	brädbärare
board-carter	VII	brädvagnare
board-piler	VII	brädstaplare
board-sorter	VII	brädsorterare
bottle-washer, female	X	sköljerska
box-maker	IV, VI	lådmakare, lådsnickare
boxboard-piler	VII	lådbrädstaplare
boxboard-sawyer	VII	lådbrädsågåre
boxboard-trimmer	VII	lådbrädskapare
breaking-down roller	IV	förvalsare
brewers' drayman	X	ölutkörare
brewery worker	X	bryggeriarbetare
bricklayer	IV, XII	murare

brickmaker	IV, VI	tegelslagare
brick-moulder	VI	tegelprässare
bundler	IX	buntare
burler, female	XI	nopperska
burner	XII	brännare
calciner	IV	rostare, rostbrännare
calenderman	XII	kallanderarbetare
candle-moulder, female	XII	stöperska
carder	XI	kardare, ruggare
carpenter	IV, V, X	slöjdare, snickare, timmerman, träarbetare
carter	VII	vagnare
catcher	IV	mottagare
cementer	XII	cementare
cement-burner	VI	cementbrännare
cement-miller	VI	cementmjölnare
cement-packer	VI	cementpackare
chainsmith	V	kettingsmed
charcoal-burner	IV, VII	kolare
charcoal-forker	VII	kolfatere
charcoal-screener	IV	kolrisslare
charcoal-wood carter	VII	kolvedvagnare
charger	IV	uppsättare
chipper	IV, VIII	mejslare, spinklerman
cigar-boy	X	cigarrgosse
cigar-sorter	X	cigarrsorterare
cigar-maker	X	cigarrarbetare
cinder-carter	IV	slagggörare
clay-loader	VI	lerlastare
cleaner	IX	putsare
clicker	XII	tillskärare
cloth-storer, female	XI	tyglagerska
coal-carter	IV	koldragare, koldräng, kolfattare
coal-catcher	IV	kolmottagare
coal-screener	IV	kolrisslare
coal-washer	IV	kolvaskare
coal-wheeler	IV	kolfatere
cook	VIII, IX	kokare
cooper	VI, X	tunnbindare
composer	IX	sättare
compressor-minder	IV	kompressarskötare
conveyer	IV	frambärare
craftsman		yrikesman, hantverkare
craneman	IV	kranförare
crane-tender	IV	kranförare
crucible-maker	IV	degelmakare
crucible-works employee	IV	degelverksarbetare
crusher	VI, XII	krossare
crusher tender	IV	krossare
cutter	VI, IX, XII	skärare, uppskärare
dampier	IX	fuktare
digester-house worker	VIII	arbetare i kokhuset
dipper	VI	glaserare
dipper, female	VI	glasererska
dock labourer (docker)	VI, XII	hamnarbetare
drawing-frame tender, female	XI	sträckerska
driller	IV	borrare
drilling-machine worker	IV	bormaskinsarbetare

driver	IX, XII	kusk, utkörare
dyer	XI	färgare
edge-polisher	VI	kantslipare
edge-sawyer	VII	kantsågare
edger	VII	förkantare
edger's helper	VII	hjälpkantare
electrician	IV, VIII	elektriker
emery grinder	V	smerglare
engine-cleaner	VI	lokomotivputsare
engine-driver	VI	lokomotivförare
engine-fireman	VI	lokomotiveldare
engine-fitter	V	maskinuppsättare
engine tender	IX	maskinist
engineer	IV	maskinarbetare, maskinist
file-cutter	V	filbuggare
filter-house worker	VIII	arbetare i silhuset
filtering man	XII	kopparfällare
finisher	XI	beredningsarbetare
finishing room girl	IX	salsarbeterska
finishing room worker	IX	salsarbetare
fireman	IV, VI, VIII, IX	eldare
foreman-straightener	IV	rätarmästare
foundry worker	IV	gjuteriarbetare
furnace master	IV	masmästare
furnace worker	VIII	sodabrännare, sodaugnsarbetare
furnaceman	IV	eldare, ugnskarl
gas-firemen	VI	gaseldare
gas-maker	IV	eldare, uppsättare
glass-blower	VI	glasblåsare
glass-blower's mate	VI	anfångare
glass-carrier	VI	glasbärare
glass-etcher	VI	glasetsare
glass-designer	VI	glasritare
glass-house labourer	VI	hyttdräng (i glasbruk)
glass-melter	VI	glassmältare
glass-packer	VI	glaspackare
glass-painter	VI	glasmålare
glass-polisher	VI	glasslipare
glass-sorter	VI	glassorterare
glycerine worker	XII	glycerinarbetare
greaser	IV, VIII	smörjare
grinder	IX	holländare
hackler	XI	slipare
half-melter	IV	häcklare
handicraftsman		halvsmed
hand at the chipper	VIII	yrkesman, hantverkare
handler, female	VI	huggare
haulier	VI	hänklerska
head-roller	IV	dragare
heater	IV	ställare, valsmästare
heater's helper	IV	vällare, värmare, glödgarer
heating-furnace bricklayer	XII	generatoreldare
heavy scrap breaker	IV	bakvärmare
helper	IV	vällugnsmurare
		klotsprångare
		dräng, hantlangare, uppsassare
		(i smedja)
hewer	VI	kolhuggare

hodman	VI	hantlangare
horse-shoer	IV	hovslagare
ingot-weigher	IV	gjutjärnsvägare
inspector	IV	järnsynare
inspector's helper	IV	stämplare, synare
iron-carter	IV	järndragare
iron-mould maker	VI	järnförmakare
iron-worker	VI	järnarbetare
joiner	V, VI, VIII, IX, X, XII	snickare
journeyman	XII	gesäll
keeper	IV	hyttdräng
labourer	IV	dagkarl, dräng
ladleman	IV	skänkförare
ladle-liner	IV	skänkmakare
Lancashire foreman	IV	smedsmästare
(Lancashire) foreman's helper	IV	mästersven
Lancashire melter	IV	Lancashiresmed
lath carter	VII	ribbvagnare
lath-drawer	VII	ribbdragare
lathe-hand	IV	svarvare, valssvarvare
lastmaker's mate	XII	lästpojke
layer-on	VII	påläggare
leacher	XII	lakare
lead-solderer	VIII, XII	blylödare
lever-man	IV	upplyftare
limestone-breakers	IV	kalkslagare
loader	IV, VI, VII	lastare
log-catcher	VII	timmersnarare
log-hauler	VII	timmerspelare
log-sorter	VII	bomkarl, timmersortare
machine adjuster	IV	ställare
machine-tender	VIII, IX	maskinförare
machine-worker	V	maskinarbetare
machinist	IV, VI, X	maskinist, maskinarbetare, maskinskötare
malthouse worker	X	mälteriärbetare
mason	VI, VIII	murare
master mechanic	IV	verkstadsförman
measurer	VII	tummare
measurer's helper	VII	hjälpummare
mechanic	IV, VI, VIII, XII	järnarbetare, maskinist, maskinreparatör, mekaniker, verkstadsarbetare
melter	IV, VI	smed, smältare
melter's helper	IV	hjälpmed, hjälpsmältare, smedsdräng
mill-hand	X	kvarnarbetare
mine-constructor	IV	gruvbyggare
miner	IV, VI	gruvarbetare, gruvbrytare
mixer	VIII	mixare
moulder	IV, V, VIII	gjutare
mould-stripper	IV	flaskurslagare
nailcarter	IV	spikkörare
nailer	IV	spikare
nail-packer	IV	spikpackare
nailsmith	IV	spiksmed
odd-job man (odd-man)	IV	hantlangare
open-hearth labourer	IV	martinarbetare
open-hearth melter	IV	martinismältare

open-hearth worker	IV	martinarbetare
ore-breaker	IV	malmslagare
ore-hoist man	IV	malmspelare
ore-loader	IV	malmstare
ore-picker	IV	skrådare
ore-transporter	IV	malmskjutare
ore-unloader	IV	malmlossare
ore-washer	IV	malmsovrare, vaskeriarbetare
ore-wheeler	IV	malmskjutare
oven-man	VI	ugnsarbetare
packer	IV, VI, IX, XII	packare
pastor	XI	klustrare
pasteboard machine worker	IX	kartongarbetare
pattern-maker	IV	modellsnickare
pig-iron weigher	IV	tackjärnsvägare
piler	IV	uppläggare
	VII	stabbläggare
pit-boy	VI	draggoose
pitman	IV	kokillresare, måttresare
planer	IV	hyvlare
plank-carrier	VII	plankbärare
plank-carter	VII	plankskjutare, plankvagnare
plank-drawer	VII	plankdragare
plank-loader	VII	planklastare
plank-piler	IV, VII	plankstaplare, stabbläggare
porter	IX	bärare
potter	VI	fajansarbetare, lerkärlsarbete
		tare
presser	V, XI, XII	pressare
printer	IX, XI	tryckare
pump-hand	IV	pumpskötare
pyritic-ore loader	XII	kislastare
quarryman	VI	stenbrytare
quarter-melter	IV	fjärdedelssmed
rag-cutter, female	IX	lumpristerska
reeler, female	XI	hasplerska, härverska
refinery smelter	XII	raffinadsmältare (i kopparverk)
		reparatör
repairer	VIII, IX, X	rostare
roaster	XII	rullare (i spikfabrik), valsare
roller	IV	valsaredräng
roller's helper	IV	valsmästare
rolling-mill foreman	IV	valsverksarbetare
rolling-mill worker	IV	valssvarvare
roll-turner	IV	säckborstare
sack-brusher	VI	säckrensare
sack-cleaner	VI	sandmalare
sand-grinder	IV	sågställare
saw-adjuster	VII	sågsårpåre
saw-sharpener	IV	försågare, ramsågare, sågare
sawyer	IV, VII	hjälpågare
sawyer's helper	VII	sömmerska
seamstress	XI	skruvare
screwman	IV	anlagare
scutcher	XI	lavpojke
shaft-head boy	IV	lavstatsarbetare
shaft-house worker	IV	klippare
shearer	IV	plåtslagare
sheet-iron worker	V	

sheet-metal shearman	IV	stålklippare
sheet-metal worker	IV, V, VI, XII	plåtstagare
shingler	IV	hopslagare
sinkhead liner	IV	boxmakare
sizer	XI	limmare
slab-drawer	VII	bakdragare
slag-wheeler	IV	slaggskjutare
slagman	IV	slaggdräng
sledge-hand	IV	släggare
sliphouse-man	VI	massaslagare
slubbing-frame tender, female	XI	slubberska
smith	IV, V, VI, VII, VIII, IX, X	smed
soap-boiler	XII	tvålkokare
sole-cutter	XII	sulskärare
sorter	IV, VI, VII	sorterare
spinner	XI	spinnare
spinner, female	XI	spinnerska
spinner-boy	X	spinnargosse
sponger	XI	dekaterare
steel-blower	IV	stålblåsare
steel-inspector	IV	stålsynare
steel-shearer	IV	stålavhuggare
steelsmith	IV	stålsmed
steel-sorter	IV	stålsorterare
steel-weigher	IV	stålvägare
stem-maker	VI	benmakare
stitcher, female	XII	nätlerska
stoker	VI, VII, X	eldare
stonemason	IV	stenarbetare, stensättare
stone-quarryman	VI	stenbrytare
stopper	VI	stoppare
storeman	IV, VI, X, XII	förrådsarbetare, magasinsarbetare, uppläggare
straightener	IV	rätare
sugar-boiler	X	sockerkokare
sulphur-burner	VIII	svavelbrännare
sulphuric acid worker	XII	svavelsyrearbetare
supercalender man	IX	glättare
superphosphate worker	XII	superfosfatarbetare
switchman	XII	växlare
tanner	XII	garvare
threshing-machine fitter	V	tröskverkssnickare
tilter	IV	knippare, räckare
tilting smith	IV	stålräckare
timber sorter	IV	timmerskiljare
tobacco worker	X	tobaksarbetare
tool-maker	IV, V	verktygsarbetare
top-filler	IV	uppsättare
transport worker	IV, X	götvägare, indragare, järnbärare, transportarbetare
tricot knitter	XI	trikåstickare
tricot seamstress	XI	trikåsömmerska
trimmer	IV	skrotare, tackjärnsskrotare
truckman	IV, VII	vagnare, vagnskarl
turner	V	svarvare
varnisher	XII	fernissare, lackerare
vice-hand	IV, V, IX	filare
warper, female	XI	varperska
waste-carter	VII	spåndragare, spånvagnare

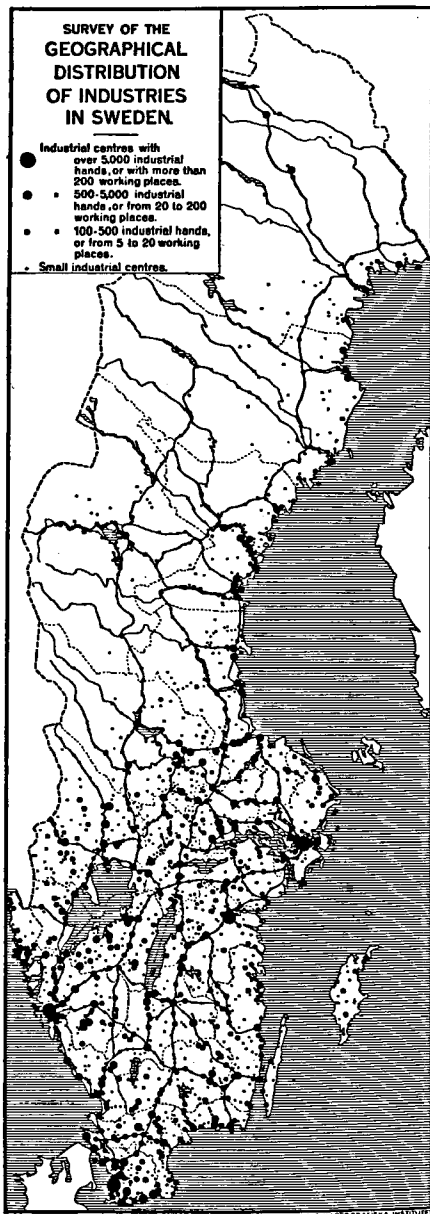


## APPENDIX

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waste-remover	IV	spånskjutare
watchman	IV	eldvaktare
weaver	XI	vävare
weaver, female	XI	väverska
weigher	IV	(skrot)vägare, ämnesvägare
welder	IV	vällare
winder	IV	uppfordrare
winder, female	XI	härverska, rullerska
windlassman	IV	spelstyrare
	VI	gamsare
wire drawer	V	tråddragare
withdrawer	VII	uttagare
woolen-sorter	XI	ullsorterare

# Survey of the Geographical Distribution of Industries in Sweden. 1924.





The Swedish Counties ("län").



The Swedish Counties ("län").



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Wages in Sweden, 1860-1930.

Pt. 1.

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