



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

08989

Distr.
LIMITED

UNIDO/ICIS.117
6 August 1979

ENGLISH

UNITED NATIONS INDUSTRIAL
DEVELOPMENT ORGANIZATION

Economic Commission for Africa

Regional Symposium on Industrial Policies
and Strategies for Internally Self-
sustaining Development and Diversification
and Collective Self-reliance, 1978-2000

Sponsored by: ECA, OAU and UNIDO

Nairobi, 11 - 18 September 1979

RECENT INDUSTRIAL DEVELOPMENT IN AFRICA */

Prepared by the UNIDO Secretariat

00110

*/ This document has been reproduced without formal editing. The designations employed and the presentation of the material do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country or its authorities, or concerning the delimitation of its frontiers.

Explanatory Note

References to dollars (\$) are to United States dollars. In tables, three dots (...) indicate that data are not available. Because of rounding, totals may not add precisely. For the purpose of this paper, all references to Africa should be taken to mean developing Africa, that is, excluding the Republic of South Africa and its dependent territories. The non-availability of statistics is the reason why all countries are not always mentioned in the tables. The term industry is used to refer to division 3 of the International Standard Industrial Classification (ISIC), that is, manufacturing activities.

CONTENTS

<u>Chapter</u>	<u>Page</u>
Introduction	1
1. General economic indicators	2
2. Structure of industrial production	9
3. Trade in manufactures	14
4. Conclusion: Africa's contribution to achieving the Lima target	21
Statistical Appendix	23

Introduction

This paper is intended to provide a statistical review of industrial development in Africa during the period 1970-1976. The present level and structure and recent growth of industry in Africa varies widely from country to country, even more so than in most regions of the world, so that data aggregated at the regional level, and generalizations derived therefrom, are not very meaningful. To avoid this problem most of the data presented here, though not in all cases complete, are at the country level. The statistical appendix in particular may be useful for reference purposes in that it brings together for the first time a large body of data by country, much of it previously unpublished, on both general economic indicators and industrial statistics broken down by sub-sector.

1. General economic indicators

On average, African Gross Domestic Product (GDP) per capita grew at an annual rate of 1.7 per cent during the period 1970-76 to reach \$ 194 in 1976 as expressed in constant 1970 values.^{1/} GDP increased at a rate of 4.4 per cent but population grew at 2.7 per cent annually, so that by 1976 the population of 49 developing African countries reached 381 million.^{2/} Gross fixed capital formation grew by 11.3 per cent per annum and accounted for 24.3 per cent of GDP in 1976. Imports grew at a rate of 10.3, considerably more than exports, which grew at a rate of only 2.3 per cent, so that by 1976 imports exceeded exports by 39 per cent. The labour force increased at a rate of 2.1 per cent, less than overall population grew, and in 1976 38 per cent of population was included in the labour force. Manufacturing value added (MVA) grew at a rate of 5.3 per cent, less than one per cent more than GDP, and by 1976 MVA accounted for 11.4 per cent of GDP.

These overall regional data conceal wide variations among the African countries in their progress towards economic development and industrialization. Table 1 groups the countries of Africa according to three key economic indicators, their shares in regional GDP as of 1976, their levels of GDP per capita in 1976 and their rates of growth in GDP per capita, 1970-76. Five countries - Nigeria, Egypt, Algeria, Libya and Morocco - accounted together for about 52 per cent of regional GDP, whereas twenty-seven others accounted for less than one per cent of regional GDP each.

Many of the countries of Africa are among the world's poorest and least developed. 13 countries had per capita incomes in 1976 of less than \$ 100, as expressed in constant 1970 values,

^{1/} All data given in this section are taken from Appendix tables A1, A2 and A3.

^{2/} Excluding Djibouti and Reunion because of lack of data.

and 23 others had per capita incomes of between \$ 100 and \$ 250.^{1/} Two countries, Libya and Gabon, both oil exporters, had per capita incomes considerably above the average (\$ 2480 and \$ 1540 respectively).

Not only are most African countries poor, a significant number grew poorer during the period 1970-76 as a result of internal factors such as war and drought and external factors such as higher oil prices and the generally unfavourable world economic situation. The spread in gains and losses among African countries was remarkably large. 20 African countries had negative rates of growth in per capita GDP ranging to minus 12.8 per cent.

On the other hand, 14 countries, including all the oil-exporting countries, achieved relatively high rates of growth in per capita GDP, ranging from 3.4 to 17.7 per cent.

Table 2 groups African countries according to their shares in regional MVA as of 1976, the proportion of their GDP accounted for by industry as of 1976 and the rate of industrial growth, 1970-76. Four countries - Egypt, Nigeria, Algeria and Morocco - accounted for about 53 per cent of African industrial production. 23 countries had a share in regional MVA of less than one per cent each.

The most industrialized countries of the region, measured according to the proportion of GDP accounted for by MVA, were Egypt, Swaziland, Mauritius, Ivory Coast, Kenya and Rhodesia, all with MVA shares in GDP of over 15 per cent. 19 other countries had shares of MVA in GDP of less than 8 per cent, ranging to as low as 1.4 per cent.

^{1/} Constant 1970 dollars are used to facilitate comparisons among countries and over time. It should be noted, however, that this standard suffers from several technical difficulties, especially as the period covered was one of high inflation and widely fluctuating exchange rates. A more satisfactory, but more complex, method of comparison is being developed by the United Nations International Comparison Project. First results show per capita incomes of developing countries relative to developed countries to be considerably higher than those indicated by existing methods of comparison.

Like growth in GDP per capita, MVA grew during 1970-76 at widely varying rates from country to country. 10 countries had negative rates of MVA growth, ranging to as low as minus 10.8 per cent. Very high rates of MVA growth, over 10 per cent to as high as 28.6 per cent were achieved by Gabon, Libya, Swasiland, Nigeria, Congo, Mauritius, Tunisia, Botswana, Algeria and Mauritania.

Table 1. 49 African countries grouped by share in regional GDP, level of GDP per capita and rate of growth in GDP per capita

<u>Share in regional GDP, 1976 1/</u> <u>(less than 1 per cent)</u>	<u>Level of GDP per capita, 1976 1/</u> <u>(less than \$ 100)</u>	<u>Rate of growth in GDP per capita, 1970-76 1/</u> <u>(less than 0 per cent)</u>
Benin	Benin	Angola
Botswana	Burundi	Burundi
Burundi	Cape Verde	Cape Verde
Cape Verde	Chad	Central Afr. Empire
Central Afr. Empire	Comoros	Comoros
Chad	Ethiopia	Egypt
Comoros	Guinea	Equatorial Guinea
Congo	Malawi	Ethiopia
Equatorial Guinea	Mali	Ghana
Gambia	Rwanda	Guinea
Guinea	Sao Tome +	Liberia
Guinea-Bissau	Principe	Madagascar
Lesotho	Upper Volta	Mozambique
Liberia	Zaire	Niger
Malawi	<u>TOTAL:</u>	Sao Tome + Principe
Mali	<u>13 countries</u>	Sierra Leone
Mauritania		Sudan
Mauritius		Togo
Niger	<u>(\$ 100 to \$ 250)</u>	Uganda
Rwanda		Upper Volta
Sao Tome + Principe	Angola	<u>TOTAL:</u>
Seychelles	Cameroon	<u>20 countries</u>
Sierra Leone	Central Afr. Empi.	
Somalia	Egypt	
Swasiland	Equatorial Guinea	<u>(0 to 2.5 per cent)</u>
Togo	Gambia	
Upper Volta	Ghana	Benin
<u>TOTAL:</u>	Guinea-Bissau	Cameroon
<u>27 countries</u>	Kenya	Chad
	Lesotho	Guinea-Bissau
<u>(1 to 3.5 per cent)</u>	Madagascar	Kenya
	Mauritania	Mali
Angola	Mozambique	Mauritania
Cameroon	Niger	Morocco
Ethiopia	Nigeria	Rhodesia
Cabon	Senegal	Rwanda
Ghana	Seychelles	Senegal
Ivory Coast	Sierra Leone	Seychelles
Kenya	Somalia	Tanzania
Madagascar	Sudan	Zaire
Mozambique	Tanzania	Zambia
Senegal	Togo	<u>TOTAL:</u>
Rhodesia	Uganda	<u>15 countries</u>
Sudan	<u>TOTAL:</u>	
Tanzania	<u>23 countries</u>	
Tunisia		
Uganda		

Table 1. (cont.)

Share in regional GDP, 1976 1/ (1 to 3.5 per cent)	Level of GDP per capita, 1976 1/ (\$ 250 - \$ 500)	Rate of growth in GDP per capita, 1970-76 1/ (more than 2.5 per cent)
Zaire	Algeria	Algeria (4.0)
Zambia	Botswana	Botswana (12.9)
<u>TOTAL:</u>	Congo	Congo (4.5)
<u>17 countries</u>	Ivory Coast	Gabon (17.7)
<hr/>	Liberia	Gambia (4.1)
(more than 3.5 per cent)	Mauritius	Ivory Coast (4.7)
<hr/>	Morocco	Lesotho (6.9)
Algeria (9.0)	Rhodesia	Libya (6.5)
Egypt (11.3)	Swaziland	Malawi (3.4)
Libya (8.4)	Tunisia	Mauritius (9.4)
Morocco (6.4)	Zambia	Nigeria (4.7)
Nigeria (16.9)	<u>TOTAL:</u>	Somalia (4.6)
<u>TOTAL:</u>	<u>11 countries</u>	Swaziland (8.7)
<u>5 countries</u>	<hr/>	Tunisia (6.6)
	(more than \$ 500)	<u>TOTAL:</u>
	Gabon (\$ 1540)	<u>14 countries</u>
	Libya (\$ 2480)	
	<u>TOTAL: 2 countries</u>	

1/ Based on values expressed in constant 1970 dollars. Countries listed alphabetically within groups.

Source: Appendix tables A1, A2, A3.

Table 2. 43 African countries grouped by share in regional MVA, proportion of GDP accounted for by MVA and rate of growth in MVA

Share in regional MVA, 1976 1/	Proportion of GDP accounted for by MVA, 1976 1/	Rate of growth in MVA, 1970-76 1/
(less than 1 per cent)	(less than 8 per cent)	(less than 0 per cent)
Angola	Angola	Angola
Benin	Benin	Central Afr. Empire
Botswana	Botswana	Chad
Burundi	Chad	Equatorial Guinea
Central Afr. Empire	Equatorial Guinea	Gambia
Chad	Gabon	Ghana
Congo	Gambia	Mozambique
Equatorial Guinea	Ghana	Rhodesia
Gabon	Guinea	Togo
Gambia	Liberia	Uganda
Guinea	Libya	
Liberia	Malawi	<u>TOTAL:</u>
Malawi	Mauritania	<u>10 countries</u>
Mali	Mozambique	
Mauritania	Niger	
Mauritius	Rwanda	<u>(0 to 5 per cent)</u>
Niger	Somalia	
Rwanda	Togo	Cameroon
Sierra Leone	Uganda	Egypt
Somalia		Ethiopia
Swasiland	<u>TOTAL:</u>	Guinea
Togo	<u>19 countries</u>	Madagascar
Upper Volta		Malawi
	<u>(8 to 12 per cent)</u>	Mali
<u>TOTAL:</u>		Niger
<u>23 countries</u>		Senegal
		Sudan
<u>(1 to 4.5 per cent)</u>		Tanzania
	Burundi	Upper Volta
Cameroon	Cameroon	Zaire
Ethiopia	Ethiopia	Zambia
Ghana	Mali	
Ivory Coast	Nigeria	<u>TOTAL:</u>
Kenya	Sudan	<u>14 countries</u>
Libya	Tanzania	
Madagascar	Tunisia	<u>(5 to 10 per cent)</u>
Mozambique	Zaire	
Senegal	Zambia	Benin
Rhodesia	<u>TOTAL:</u>	Burundi
Sudan	<u>10 countries</u>	Ivory Coast
Tanzania		Kenya
Tunisia		Liberia
Uganda		Morocco
Zaire		Rwanda
Zambia		Sierra Leone
<u>TOTAL:</u>		Somalia
<u>16 countries</u>		<u>TOTAL: 9 countries</u>

Table 2. (cont.)

<u>Share in regional MVA,</u> 1976 1/	<u>Proportion of GDP accounted</u> <u>for by MVA, 1976 1/</u>	<u>Rate of growth in</u> <u>MVA, 1970-76 1/</u>
(more than 4.5 per cent)	(12 to 15 per cent)	(more than 10 per cent)
Algeria (11.2)	Algeria	Algeria (11.1)
Egypt (20.6)	Central Afr. Empire	Botswana (11.9)
Morocco (6.8)	Congo	Congo (15.2)
Nigeria (14.1)	Madagascar	Gabon (28.6)
<u>TOTAL: 4 countries</u>	Morocco	Libya (21.2)
	Senegal	Mauritania (11.0)
	Sierra Leone	Mauritius (14.4)
	Upper Volta	Nigeria (15.8)
	<u>TOTAL: 8 countries</u>	Swaziland (19.6)
		Tunisia (12.7)
		<u>TOTAL: 10 countries</u>
	(more than 15 per cent)	
	Egypt (21.2)	
	Ivory Coast (16.1)	
	Kenya (15.5)	
	Mauritius (18.3)	
	Rhodesia (15.1)	
	Swaziland (18.9)	
	<u>TOTAL: 6 countries</u>	

1/ Based on values expressed in constant 1970 dollars.
Countries listed alphabetically within groups. Cape Verde, Comoros, Guinea-Bissau, Lesotho, Sao Tome and Principe and Seychelles not included because of lack of data.

Source: Appendix tables A1, A2, A3.

2. Structure of industrial production

For most African countries the structure of industrial production is relatively undiversified, consisting largely of food, beverages and textile manufactures (Table 3). As of 1970 food products accounted for more than 10 per cent of MVA in each of 22 countries for which data were available and for 10 of these countries food products were the largest component of MVA, ranging up to 89 per cent of the total.^{1/} Beverages accounted for more than 10 per cent of MVA in 12 of the 22 countries, while textiles accounted for at least 10 per cent of MVA in 10 countries. Tobacco products and clothing were important sectors for several countries.

Somewhat surprisingly, given Africa's resource endowment, manufacture of wood, wood products and furniture was important in only one country, Swaziland. Chemicals and petroleum refining were of importance in four countries, non-ferrous basic metals in two countries and in one country each (Burundi and Kenya respectively) metal products except machinery and transport equipment accounted for more than 10 per cent of MVA.

Thus as of 1970 the structure of industrial production in Africa consisted largely of a limited range of traditional manufactures reflecting internal demand requirements and simple technologies with (probably) relatively high labour intensities. Some countries were producing more technologically sophisticated goods such as machinery, but such products generally accounted for a small proportion of MVA (see Table A4).

The picture is changing, however, as Table 4 shows. From 1970 to 1975 (or in some cases to 1973 or 1974) rates of growth in 17 countries varied widely from sector to sector, ranging from -64 per cent to 205 per cent, and from country to country, but in general growth rates tended to be high. Moreover, for these countries rapid growth was not confined to any particular sector; ~~both traditional manufactures~~ ^{and more technologically advanced manufactures} grew at high rates in many cases. Such high growth rates may be somewhat misleading in terms of the average growth of manufacturing, for very high rates occurred only for types of manufactures starting from a low production base. Nevertheless, the table indicates increased diversifications and the growing importance of non-traditional manufactures.

^{1/} In all but a few countries the share of food products in total manufacturing output was even larger than the share in MVA.

Particular importance is often attached in economic analysis to the role of manufactures such as fabricated metal products, machinery and electrical goods (ISIC 38) in the development process. It is argued that these have high growth potential, extensive linkages with other industries and help develop labour skills through learning-by-doing. In most of the 17 countries included in Table 4 growth rates in this sector tended to be high.

The size and growth of individual manufacturing sectors depends in part on the amount of investment in those sectors. Table 5 shows the sectoral composition of gross fixed capital formation in 1970. Together, food products, beverages, textiles, industrial chemicals and other non-metallic mineral products accounted for three quarters of GFCF in 1970. The food and textiles industries are also major contributors to wages and employment, accounting together for 37 per cent of wages and 44 per cent of employment in industries in 1970. Of the more technologically advanced industries fabricated metal products, except machinery and equipment was the most important provider of wages (7 per cent of total) and employment (8 per cent of total).

Table 3. Major industrial sectors in 22 African countries, 1970, with shares in total MVA (in per cent) a/

Country	Major sectors (with shares in MVA) <u>b/</u>
Burundi ^{c/}	Beverages (46), clothing (16), metal products except machinery (15), food (14)
Cameroon ^{c/}	Food (30), non-ferrous basic metals (17), beverages (12)
Congo	Beverages and tobacco (20), petroleum refining and products (13), food (16)
Egypt	Textiles (32), food (10)
Ethiopia	Textiles (28), food (27), beverages (16)
Ghana	Petroleum refining (15), textiles (11), food (11), non-ferrous basic metals (11), beverages (10)
Kenya	Food (19), transport equipment (11)
Libya	Tobacco products (44), food (14), other chemical products (11)
Madagascar	Food (29), textiles (20)
Malawi	Food (22), beverages (17), tobacco products (12), textiles (11)
Mauritius	Food (61)
Mozambique	Food (36), textiles (11)
Nigeria	Textiles (24), beverages (15), food (12)
Rwanda	Food and beverages (89)
Somalia	Food (89)
Rhodesia	Food (12)
Sudan	Textiles and clothing (27), food (21), beverages (14)
Swaziland	Wood, wood products and furniture (57), food and beverages (37)
Tanzania	Textiles (22), food (21)
Togo	Textiles (37), beverages (33), food (20)
Tunisia	Food (19), industrial and other chemical products (13)
Zambia	Beverages and tobacco products (41), food (14)

a/ Major sectors defined as accounting for at least 10 per cent of total MVA (1970).

b/ Precise sector definitions based on the ISIC classification are given in Appendix - Note on tables A4 and A5.

c/ Refers to shares of output.

Source: Appendix Table A4.

Table 4. Growth rates of MVA, grouped by major ISIC division, in 17 African countries, 1970 to 1975 or latest available year a/

Country	Food, beverages and tobacco products (ISIC 31)	Textiles, wearing apparel and leather industries (ISIC 32)	Wood and wood products (ISIC 33)	Paper and paper products, printing and publishing (ISIC 34)	Chemical, petroleum, coal, rubber and plastic products (ISIC 35)	Non-metallic mineral products, except of petroleum and coal (ISIC 36)	Basic metal industries (ISIC 37)	Fabricated metal products, machinery and equipment (ISIC 38)	Other manufactures (ISIC 39)
Burundi ^{b/}	24 to 34	16	-2	3	-10	-27 to 0	-1		
Congo	7 to 16	-4			-29 to -3	3 to 8			
Ethiopia	6 to 10	7 to 19	2 to 7	-20 to 17	17	13 to 13			
Kenya	27	13 to 22	17 to 18	4 to 30	36	8 to 22		39	
Libya	25 to 26	13	16 to 52	8	-3 to 56	4 to 24		33	
Madagascar	1 to 27	-4 to 25	6	0 to 19	0	13 to 35			
Malawi	-11 to 11	0 to 12	31 to 57	29	4 to 13	6 to 80		8	
Mauritius	29 to 32	27	22	12 to 18	-7 to 47	2 to 45		-1	
Mozambique	-3 to 7	7 to 47	1 to 6	21 to 24	-35 to 33	15 to 110		63	
Nigeria	8 to 21	-22 to 40	13 to 25	84	4 to 47	13		61	
Rwanda	17	17	36	34	41	81		6	
Somalia	-17 to 4	43 to 67	4 to 14	13 to 14	12	7 to 19		-2	
South. Rhodesia	9 to 18	14 to 25	36	205	6 to 15	4 to 47		58	
Swaziland	24	-50	-20 to 16	31 to 86	90 to 113	2 to 47		6	
Tanzania	3 to 18	12 to 44	15 to 17	11 to 16	-1 to 28	19 to 35		30	
Tunisia	9 to 17	15 to 25	3 to 7	18 to 26	30 to 121	17 to 46			
Zambia	4 to 13	6 to 58							

average annual growth rates in per cent

a/ Within each 2-digit ISIC division, the range of growth rates at the 4-digit level is given. Terminal year is 1974 for Burundi, Madagascar, Nigeria, Rwanda, Somalia and Tanzania and is 1973 for Congo, Malawi, Mozambique, Swaziland and Zambia.

b/ Refers to output growth rates.

Source: Appendix Table A5.

Table 5. African gross fixed capital formation, wage bill and employment in industry, 1970 sectoral shares in total manufacturing, unweighted averages based on country samples a/

ISIC sector ^{b/}	1970 sectoral shares in total manufacturing in per cent (with number of countries in sample)		
	Gross fixed capital formation	Wage bill	Employment
3110	19 (13)	22 (22)	25 (21)
3130	11 (10)	9 (20)	6 (19)
3140	3 (8)	6 (16)	7 (17)
3210	16 (11)	15 (19)	19 (17)
3220	2 (8)	4 (15)	6 (16)
3230	1 (4)	1 (12)	1 (12)
3240	2 (5)	2 (13)	2 (14)
3310	2 (8)	4 (14)	7 (15)
3320	1 (8)	2 (17)	3 (17)
3410	6 (7)	2 (14)	2 (15)
3420	2 (9)	5 (17)	4 (18)
3510	15 (4)	2 (10)	1 (11)
3520	6 (6)	5 (13)	4 (14)
3530	3 (5)	2 (13)	0 (14)
3540	1 (6)	1 (14)	0 (14)
3550	1 (6)	2 (15)	1 (16)
3560	1 (5)	1 (11)	1 (12)
3610	0 (6)	0 (13)	0 (12)
3620	0 (5)	1 (13)	1 (13)
3690	13 (7)	5 (14)	5 (14)
3710	2 (7)	2 (14)	2 (15)
3720	1 (8)	1 (15)	1 (15)
3810	4 (10)	7 (18)	8 (17)
3820	1 (6)	2 (14)	1 (15)
3830	3 (8)	2 (16)	1 (17)
3840	3 (9)	5 (17)	4 (17)
3850	0 (8)	0 (16)	0 (15)
3900	2 (9)	1 (16)	1 (17)

a/ Data shown are unweighted averages derived from Table A4. The data should be considered as rough indicators only, since many countries and data for combined sectors (see Appendix note on Tables A4 and A5) are not included and proportional weighting has not been undertaken. Due to rounding shares may not equal 100 in total.

b/ For sector descriptions see Appendix, note on Tables A4 and A5.

3. Trade in manufactures

African trade in manufactures is characterized by a large and increasing imbalance of imports over exports. Table 6 shows that Africa's share in world exports of manufactures declined from 1.12 per cent during 1970-71 to 0.60 per cent during 1975-76. In comparison the share of developing Asia excluding the Middle East and centrally planned economies rose from 3.07 to 4.90 per cent, the share of Middle Eastern countries rose from 0.25 to 0.46 per cent and the shares of other groups of developing countries rose slightly.

These changes in export performance are analysed in Tables 7 and 8. Table 7 shows that from 1970-71 to 1975-76 exports of manufactures increased in all groups of developing countries outside the African region, which suffered a decline in exports of \$ 2842 million. In contrast Asia excluding centrally planned and Middle Eastern countries gained \$ 10 063 million. Most of Africa's loss was due to a decline in exports of non-ferrous metals amounting to \$ 2180 million.

In Table 8 this decline in Africa's export performance is broken down into three effects: change in commodity composition, in market composition and in competitiveness (a residual reflecting the difference between total change in exports and the commodity and market composition effects). The table shows that almost all of Africa's decline in export performance was due to decreasing competitiveness (especially in non-ferrous metals and other manufactures) and losses due to the composition of exports (declining demand for non-ferrous metals).

Table 9 breaks down exports of Africa and other developing regions into six stages of processing. For several food products - fish, cereals, sugar and coffee, tea and cocoa - the level of processing is higher on the whole for Africa than for the rest of the developing world, and is roughly equivalent for some others. Excluding food products, however, it appears that the level of processing of African exports is significantly less than that of other developing regions, especially for pulp and paper, leather

and furs, wood and cork, textiles, non-metallic mineral products, chemicals and other goods. This indicates a potential for increasing the value of African exports through increased processing of those products now exported as raw materials or as semi-processed products.

In Table 10 value added, imports and exports of seven African countries are divided into four components - consumer non-durables, industrial supplies and intermediate goods, capital goods and consumer durables and other manufactures. Value added is largely composed of other manufactures and industrial supplies and intermediates. The composition of exports is rather similar to value added, but the largest component of imports is capital goods and consumer durables, thus indicating the foreign exchange effect of a lack of capital goods industries in Africa, while industrial supplies and intermediates and other manufactures are second and third, respectively, in importance.

Various trade indicators are given in Table A6 by SITC group and country. Perhaps the most important indicator is the trade ratio, which can range from +1 in the case of complete export dominance (no imports) to -1 in the case of complete import dominance (no exports). It can be seen that, for manufactures trade as a whole, the ratio is negative for all 36 countries covered and close to -1 for many countries with the exceptions of Zambia (1970 only) and Zaire. Furthermore, all but two of the positive trade ratios for one-digit SITC groups are in group 6, manufactures classified chiefly by material, indicating exports based on local natural resources, rather than on the manufacturing process as such. Moreover it may be seen that the degree of import dominance increased from 1970 to the mid-1970s for most countries.

Table 6. Share in world exports of manufactures, by developing region and country group, 1970-1971 and 1975-1976

Exporting area	Average share, 1970-1971	Average share, 1975-1976
	(in per cent)	
Africa	1.12	0.60
Latin America	1.51	1.59
Asia Middle East	0.25	0.46
Other Asia ^{a/}	3.07	4.90
OPEC countries	0.20	0.23
Centrally planned economies of Asia	0.57	0.62

^{a/} Including Oceania.

Source: UNIDO, based on Monthly Bulletin of Statistics, vol. XXXII, No.6 (June 1978); vol. XXXI, No.5 (May 1977); and vol. XXX, No.8 (August 1976) (United Nations publications).

Table 7. Change in export performance in developing regions/country groups, 1970-71 to 1973-76

(million current US\$ f.o.b.)

Developing region/ country group	Textile yarns and fabrics	Clothing and textiles	Chemicals	Non-ferrous metals	Iron and steel products	Machinery and transport equipment	Other manu- factures	Total
Africa	-127.0	-	-43.6	-2179.6	-	-31.1	-460.4	-2841.7
Latin America	212.0	201.1	532.2	-1366.8	-75.0	715.1	249.4	468.0
Asian Middle East	16.7	-	417.1	-	-	358.9	380.0	1172.7
Asia other than Middle East	372.8	2576.6	297.8	18.0	288.6	3461.9	2809.1	10062.7
Other countries	-76.9	-	439.6	-	-	-152.5	-15.8	194.4
Centrally-planned Asia	129.5	243.8	21.5	48.0	-12.7	-	-172.0	268.2

Sources: UNIDO, based on United Nations, Monthly Bulletin of Statistics, Vol. XX, No. 8, August 1976, Vol. XXI, No. 5, May 1977, and Vol. XXII, No. 6, June 1978.

Table 8. Factors affecting change in export performance in Africa, 1970-71 to 1975-76
(Million current US dollars f.o.b.)

	Textile yarns and fabrics	Clothing	Chemicals	Non-ferrous metals	Iron and steel	Metal products	Machinery and transport equipment	Other manufactures	Total
Commodity- composition effect	- 84.5	-	33.0	-1,227.8	-	-	9.4	- 45.4	-1,315.3
Market- composition effect	35.6	-	8.1	- 172.0	-	-	35.4	117.2	21.3
Competitive- loss effect	- 78.1	-	-84.7	- 779.8	-	-	-75.9	-532.2	-1,550.7
Change in performance (sum of effects)	-127.0	-	-43.6	-2,179.6	-	-	-31.1	-460.4	-2,811.7

Source: UNCTAD, based on United Nations, Monthly Bulletin of Statistics, Vol XXX, No.8, August 1976, Vol. XXVI, No. 5, May 1977, and Vol. XXVII, No.6, June 1978.

Table 9. Proportions of exports of African countries (and other developing countries) in six stages of processing, 1975

Category	Processing stage a/					
	1	2	3	4	5	6
	(in per cent)					
Live animals	100.00 (100.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Wheat	46.96 (69.24)	2.19 (0.84)	0.00 (0.00)	0.00 (0.00)	5.42 (3.15)	45.43 (26.77)
Dairy products	20.23 (11.16)	0.00 (0.00)	0.00 (0.00)	79.77 (88.84)	0.00 (0.00)	0.00 (0.00)
Fish	45.62 (89.22)	5.52 (2.61)	0.00 (0.00)	0.00 (0.00)	48.85 (8.17)	0.00 (0.00)
Cereals	38.06 (67.35)	56.45 (26.13)	0.00 (0.00)	3.64 (3.32)	0.04 (0.92)	1.81 (2.23)
Fruits and vegetables	78.52 (76.53)	1.04 (1.55)	0.00 (0.00)	9.81 (11.32)	0.00 (0.00)	10.64 (10.60)
Sugar	0.17 (1.13)	0.00 (0.00)	45.69 (75.91)	52.02 (20.97)	0.81 (1.05)	1.31 (0.95)
Coffee, tea, cocoa	90.52 (93.74)	0.00 (0.00)	0.06 (0.20)	8.71 (2.39)	0.44 (2.52)	0.20 (1.15)
Pulp + paper	0.01 (0.02)	29.36 (9.53)	0.00 (0.00)	11.23 (15.91)	59.40 (74.55)	0.00 (0.00)
Tobacco	89.80 (88.68)	0.00 (0.00)	0.00 (0.00)	0.35 (2.51)	9.85 (8.81)	0.00 (0.00)
Animal + vegetable oils + fat	41.65 (29.68)	0.24 (0.15)	9.44 (23.00)	0.62 (1.32)	47.40 (43.73)	0.64 (2.12)
Leather + furs	71.67 (12.60)	17.01 (42.18)	0.03 (0.05)	0.00 (0.00)	2.95 (3.55)	8.34 (41.62)
Rubber	86.08 (90.34)	6.52 (0.01)	0.00 (0.20)	1.37 (0.88)	0.32 (1.55)	5.68 (7.00)
Wood + cork	67.51 (44.23)	22.62 (26.02)	7.21 (21.03)	1.81 (2.29)	0.84 (3.62)	0.00 (0.00)
Glass	0.00 (0.00)	2.66 (5.50)	7.41 (16.64)	32.41 (12.83)	35.35 (40.19)	22.17 (24.84)
Textiles	62.55 (20.97)	0.26 (0.07)	11.51 (8.42)	8.51 (17.87)	3.22 (7.08)	13.82 (45.59)
Nonmetallic minerals	59.83 (43.27)	0.00 (0.00)	32.69 (36.35)	6.25 (10.58)	0.37 (5.07)	0.87 (4.74)
Metals	22.14 (45.74)	67.34 (27.10)	0.02 (1.19)	0.76 (4.55)	1.12 (8.50)	1.61 (12.90)
Chemicals	81.16 (13.32)	2.05 (7.39)	3.48 (24.00)	8.12 (14.79)	3.37 (9.60)	1.81 (20.01)
Other goods	59.66 (19.51)	0.00 (0.00)	0.00 (0.00)	2.30 (9.15)	30.83 (24.43)	7.21 (46.01)
Machinery	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	100.00 (100.00)

a/ Figures in parenthesis are for other developing countries.

Table 10. Manufacturing value added, imports and exports by end use in selected African countries 1975
(as percentage of total production or trade flow)

Country	Consumer non-durables		Industrial supplies and intermediates		Capital goods and consumer durables		Other manufactures			
	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports	Value added-Imports-Exports		
Egypt	20	18	39	52	22	31	23	21	24	28
Ghana ^{a/}	8	1	34	19	7	39	1	54	21	79
Ivory Coast ^{b/}	14	2	27	34	11	44	10	46	21	54
Kenya ^{a/}	11	4	34	27	22	37	3	34	22	65
Sudan Arab J.S. ^{c/}	20	12	21	-	9	15	-	45	22	100
Nigeria ^{a/}	6	8	25	8	8	44	-	38	22	85
Tanzania ^{a/}	18	7	24	43	8	48	4	43	21	23

^{a/} Value added refers to 1974 instead of 1975.

^{b/} Value added refers to 1972 and imports and exports to 1974 instead of 1975.

^{c/} Imports and exports refer to 1974 instead of 1975.

Source: UNCTAD, based on Yearbook of Industrial Statistics, vol. I, various issues; Yearbook of International Trade Statistics, vol. I, various issues.

4. Conclusion: Africa's contribution to achieving the Lima target

The rate of real industrial growth in Africa during the period 1970-76, about 5 per cent per annum, must be judged as inadequate in terms of the development goals implied by the Lima target. This rate of growth allowed Africa to maintain its share in world industrial production at about 0.7 per cent (Table 11), mainly because industrial growth in the developed market economy countries, which account for the bulk of world industry, was relatively low during the period, but meanwhile the non-African developing countries were able to increase their share from 6.6 to 8.0 per cent, so that while these countries made progress toward achieving the Lima target, Africa did not.^{1/}

Table 11. Shares of Africa, other developing countries and all developing countries in world manufacturing value added, 1970-1976

<u>Year</u>	<u>Africa</u>	<u>Other developing countries</u> (in per cent)	<u>All developing c.</u>
1970	0.69	6.64	7.33
1971	0.70	6.60	7.65
1972	0.70	7.10	7.80
1973	0.71	7.21	7.90
1974	0.72	7.54	8.26
1975	0.74	7.96	8.70
1976	0.71	7.96	8.67

Source: UNIDO, compiled from UNSO data. Based on prices in 1970 US dollars.

^{1/} Based on 1970 prices. If based on 1975 prices, Africa's share in 1976 is 0.84 per cent (0.86 in 1977) and the share of other developing countries equals 8.74 per cent (8.84 in 1977).

If Africa is to achieve its regional target of a 2 per cent share in world industrial production by the year 2000 and thus meet its declared contribution to the Lima 25 per cent target for the developing countries as a whole, it will need to maintain its share of Third World industrial production at a minimum of 8 per cent. Table 11 indicates that from 1970 to 1976 Africa's share in Third World industrial production dropped from 9.4 to 8.2 per cent.

To halt this trend Africa will need to substantially increase its rate of industrial growth in the future. Roughly a doubling of the current rate to about 10 per cent annually probably will be required.

If such a growth rate is to be achieved, changes in the framework of policies affecting industrial development will be necessary in many African countries. In particular these changes will need to encourage greater saving and industrial investment, export of manufactures, foreign participation in industry, local processing of natural resources, improvements in technology, infrastructure, managerial skills and marketing arrangements and the restructuring of the industrial product mix to achieve greater economic efficiency in the use of resources. Furthermore, the countries of Africa will need to closely coordinate policy changes with the aim of achieving greater regional co-operation in industrial development, especially with regard to assisting the least developed countries of the region.

Statistical Appendix

List of tables

- A1 - General economic indicators, by country, 1976 (p.24)
 - A2 - General economic indicators, growth rates, by country, 1970-1976 (p.27)
 - A3 - General economic indicators, derived relationships, by country, 1976 (p.30)
 - A4 - Value added, output, capital formation, wages and employment in manufacturing - sectoral shares with totals, by country, 1970 (p. 33)
 - A5 - Value added, output, capital formation, wages and employment in manufacturing - growth rates by sector and for total, by country, 1970 to mid-1970s (p.57)
 - A6 - Manufacturing trade statistics, by SITC group and by country, 1970 to mid-1970s (p.74)
- Note on tables A4 and A5 (p.82)

Table A1 . General economic indicators, by country, 1976^{a/}

Country	Population		Labour force	GDP	Manufacturing value added	Gross fixed capital formation			Exports of goods and services	Imports of goods and services
	(millions)	(constant 1970 US \$ millions)				formation	goods and services	services		
Algeria	17.3	3.7	6671.4	943.1	2582.9	908.6	1978.2			
Angola	6.4	1.7	923.3	40.6	169.7	358.8	400.8			
Benin	3.2	1.5	256.6	16.3	38.8	62.5	73.4			
Botswana	0.7	0.3	226.9	14.7	50.0	80.7	139.0			
Burundi	3.8	1.9	249.4	27.9	36.4	22.7	28.1			
U. Rep. Cameroon	6.5	3.1	1363.7	157.9	187.1	376.6	341.9			
Cape Verde Isl.	0.3	0.1	24.8	...	...	...	...
Central Afr. Rep.	1.8	0.9	184.8	23.0	38.5	21.7	50.5			
Chad	4.1	1.5	323.7	22.7	42.0	105.6	162.0			
Comoro Isl.	0.3	0.1	29.6	...	...	...	...
Congo	1.4	0.5	382.1	55.4	48.7	56.5	146.0			
Egypt	38.0	10.5	8206.9	1740.3	1303.0	2005.3	2483.2			
Equatorial Guinea	0.3	0.1	58.5	2.8	10.2	35.1	33.2			
Ethiopia	28.7	11.9	2016.1	182.1	121.9	278.2	250.7			
Gabon	0.5	0.3	769.1	58.2	549.4	220.8	456.1			
Gambia	0.5	0.3	64.1	0.9	6.4	44.4	52.9			
Ghana	10.3	3.7	2309.2	167.0	451.7	762.9	608.1			
Guinea	4.5	2.0	368.9	22.9	32.8	95.2	107.3			
Guinea-Bissau	0.5	0.2	107.9	...	...	...	...

Table A1 (cont.)

Country	Population (millions)		Labour force	GDP	Manufacturing value added	Gross fixed capital formation	Exports of goods and services	Imports of goods and services
	(constant 1970 US \$ millions)							
Ivory Coast	5.0	2.5	2334.8	375.7	502.2	850.9	695.1	
Kenya	13.8	5.2	2120.3	327.6	350.4	539.2	425.3	
Lesotho	1.1	0.6	113.6	...	11.8	13.4	109.1	
Liberia	1.7	0.7	461.4	23.4	120.1	212.0	201.8	
Libyan Arab. Emp.	2.5	0.6	6206.2	185.7	1233.6	1186.6	3218.8	
Madagascar	8.3	4.0	889.8	121.1	113.3	165.2	129.1	
Malawi	5.2	2.2	473.9	35.0	135.7	113.8	134.5	
Mali	5.9	3.1	333.4	33.7	43.5	86.6	98.7	
Mauritania	1.4	0.4	239.8	10.6	61.8	122.1	138.2	
Mauritius	0.9	0.3	346.6	63.3	93.1	321.7	261.0	
Morocco	17.8	4.6	4674.6	573.1	1242.5	719.8	1447.2	
Mozambique	9.4	3.6	1470.6	113.5	129.0	260.1	194.1	
Niger	4.7	1.4	476.8	26.1	42.6	91.4	122.5	
Nigeria	64.8	24.7	12289.0	1192.8	5005.4	2287.7	5409.5	
Branda	4.3	2.3	283.4	11.3	46.0	37.7	57.4	
São Tomé + Príncipe	0.1	...	8.5	...	...	...	...
Senegal	5.1	1.9	1085.9	151.5	119.4	384.9	468.1	
Seychelles	0.1	...	18.3	...	...	...	...
Sierra Leone	3.1	1.2	433.5	53.6	46.9	96.0	104.6	
Somalia	3.3	1.2	331.7	23.2	71.1	48.8	109.8	
Southern Rhodesia	6.5	2.1	1985.4	299.1	314.1	325.0	350.2	
Sudan	16.1	5.8	2261.8	240.7	307.5	526.7	551.0	

Table A1 (cont.)

Country	Population	Labour force	GDP	Manufacturing value added	Gross fixed capital formation	Exports of goods and services	Imports of goods and services
	(millions)						
	(constant 1970 US \$ millions)						
Swaziland	0.5	0.2	215.4	40.8	51.3	141.5	123.3
Un. Rep. Tanzania	15.6	6.5	1659.6	173.4	308.3	403.6	323.1
Togo	2.3	1.0	270.9	18.7	67.5	55.7	111.3
Tunisia	5.7	1.4	2486.2	291.1	629.7	516.6	754.0
Uganda	11.9	4.8	1329.9	94.7	78.9	170.8	209.9
Upper Volta	6.1	3.3	359.6	50.4	36.3	38.7	85.6
Zaire	25.6	10.7	2218.0	196.1	638.4	1316.6	1058.4
Zambia	5.1	1.9	2213.2	243.7	456.1	1073.6	383.1
Africa, total	381.0	142.9	73826.4	8445.7	17914.2	17528.9	24477.0

a/ 1975 for labour force data

Source: UNIDO, compiled from UNESO and ILO data.

Table A2. General economic indicators, growth rates, by country, 1970-1976^{a/}

Country	Population	Labour force	GDP	Manufacturing value added	Gross fixed capital formation	Exports of goods and services	Imports of goods and services
	trend average annual growth rates (in per cent)						
Algeria	3.22	2.84	7.22	11.09	11.13	-1.50	9.86
Angola	2.21	2.02	-8.95	-11.06	-5.64	-3.96	0.99
Benin	2.75	2.04	3.14	7.90	1.32	-4.74	-4.03
Botswana	3.34	2.09	16.23	11.94	10.14	14.05	11.86
Burundi	2.28	1.70	1.62	5.64	12.03	-0.50	2.30
Ua. Rep. Cameroon	1.85	1.37	4.30	3.66	5.90	9.58	4.11
Cape Verde Isl.	2.80	2.44	-4.35	...	...	...	...
Central Afr. Empire	2.14	1.79	-1.42	-3.02	4.20	-9.91	0.53
Chad	2.08	1.48	3.32	-2.16	5.08	5.55	5.56
Comoro Islands	2.21	1.81	-0.05	...	...	...	...
Congo	2.56	2.04	7.07	15.20	-3.85	-6.74	3.40
Egypt	2.21	2.45	1.55	1.94	9.34	10.24	11.54
Equatorial Guinea	1.64	1.52	-3.45	-0.11	-5.33	-0.33	3.58
Ethiopia	2.47	1.95	2.11	2.08	-7.78	5.29	4.47
Gabon	1.01	0.36	18.72	28.65	41.14	5.28	26.91
Gambia	2.57	1.25	6.63	-0.23	4.21	16.53	14.54
Ghana	2.93	2.06	0.95	-5.11	7.19	5.95	3.26
Guinea	2.43	1.72	2.39	1.20	7.13	5.65	4.39
Guinea-Bissau	1.54	1.02	3.02	...	...	...	...
Ivory Coast	2.58	1.86	7.33	9.66	8.63	6.61	5.59

Table A2. (cont.)

Country	Population	Labour force	GDP	Manufacturing value added	Gross fixed capital formation	Exports of goods and services	Imports of goods and services
	trend average annual growth rates (in per cent)						
Kenya	3.53	2.60	4.68	8.89	-0.62	1.80	-3.45
Lesotho	2.25	1.40	9.19	...	9.48	25.07	21.67
Liberia	2.30	1.54	1.64	7.55	6.26	-2.50	1.64
Libyan Arab Rep.	4.04	2.41	10.58	21.22	11.01	-12.76	23.07
Madagascar	2.98	2.26	-0.19	2.29	-2.45	2.46	-5.34
Malawi	2.49	1.91	5.90	0.25	12.70	7.47	3.89
Mali	2.66	1.96	2.75	1.98	0.80	7.34	10.14
Mauritania	2.63	1.80	3.88	10.95	10.89	5.12	10.22
Mauritius	1.31	3.26	10.71	14.41	24.48	24.09	18.23
Morocco	3.00	2.78	5.31	5.80	16.91	-0.54	10.71
Mozambique	2.42	1.53	-3.67	-10.50	-12.19	4.84	-10.13
Niger	2.86	2.51	1.94	1.27	8.67	4.82	7.16
Nigeria	2.73	2.06	7.48	15.78	25.85	6.35	26.53
Rwanda	2.61	2.54	4.08	5.26	20.75	5.53	7.84
São Tomé + Príncipe	1.97	...	-10.84	...	...	...	...
Senegal	2.80	1.69	3.31	3.24	4.62	17.35	19.33
Seychelles	2.33	...	3.26	...	...	...	...
Sierra Leone	1.53	1.81	1.20	6.40	-1.70	-5.59	-5.16
Somalia	2.59	2.73	7.15	7.57	14.24	3.43	13.79
Southern Rhodesia	3.52	2.67	4.94	-1.03	6.65	-6.88	-3.84
Sudan	2.44	2.74	-1.31	2.82	9.11	7.32	8.38

Table A2 (cont.)

Country	Population	Labour force	GDP	Manufacturing value added	Gross fixed capital formation	Exports of goods and services	Imports of goods and services
	trend average annual growth rates (in per cent)						
Swaziland	2.96	2.18	11.68	19.56	15.48	12.30	9.52
Un. Rep. Tanzania	2.83	2.38	4.21	4.44	1.76	1.35	-2.85
Togo	2.49	2.10	0.17	-4.13	11.10	-8.56	0.03
Tunisia	2.43	2.30	9.07	12.74	13.20	7.08	11.86
Uganda	3.35	2.40	-0.10	-4.55	-12.69	-7.90	-3.85
Upper Volta	2.19	1.78	1.47	3.31	6.63	15.20	11.22
Zaire	2.77	1.87	2.78	3.10	6.15	7.28	2.56
Zambia	3.57	2.44	4.18	4.92	-0.90	1.96	-7.00
Africa, total	2.69	2.14	4.39	5.34	11.36	2.31	10.33

a/ 1970-1975 for labour force data

Source: UNIDO, compiled from UNESO and ILO data.

Table A3. General economic indicators, derived relationships, by country, 1976

Country	GDP per capita (constant 1970 \$)	Labour Force/ Population	MVA/GDP	Gross fixed capital formation/GDP per cent	Exports/GDP	Imports/GDP
Algeria	386	21.6	14.6	38.7	13.6	29.7
Angola	144	27.0	4.4	18.4	38.9	43.4
Benin	80	45.5	6.4	15.1	24.4	28.6
Botswana	324	47.1	6.5	22.0	35.6	61.3
Burundi	66	49.1	11.2	14.6	9.1	11.3
Un. Rep. Cameroon	210	47.5	11.6	13.7	27.6	25.1
Cape Verde Isl.	83	29.0	...	...	...	...
Central Afr. Rep.	103	54.6	12.4	20.8	11.7	27.3
Chad	79	37.2	7.0	13.0	32.6	50.0
Comoro Isl.	99	38.0	...	...	...	...
Congo	273	33.8	14.5	12.7	14.8	38.2
Egypt	216	27.7	21.2	15.9	24.4	30.3
Equatorial Guinea	195	31.3	4.8	17.4	60.0	56.8
Ethiopia	70	41.5	9.0	6.0	13.8	12.4
Gabon	1,538	51.0	7.6	71.4	28.7	59.3
Gambia	128	51.2	1.4	10.0	69.3	82.5
Ghana	224	36.0	7.2	19.6	33.0	26.3
Guinea	82	45.3	6.2	8.9	25.8	29.1
Guinea-Bissau	216	33.2	...	...	...	...
Ivory Coast	467	50.5	16.1	21.5	36.4	29.8
Kenya	154	37.7	15.5	16.5	25.4	20.1

Table A3. (cont.)

Country	GDP per capita (constant 1970 \$)	Labour Force/ Population	MVA/GDP	Gross fixed capital formation/GDP per cent	Exports/GDP	Imports/GDP
Lesotho	103	56.6	...	10.4	11.8	96.0
Liberia	271	38.5	5.1	26.0	45.9	43.7
Libya Arab Jam.	2,482	23.4	3.0	19.9	19.1	51.9
Madagascar	107	48.8	13.6	12.7	18.6	14.5
Malawi	91	43.3	7.4	28.6	24.0	28.4
Mali	57	53.2	10.1	13.0	26.0	29.6
Mauritania	171	28.4	4.4	25.8	50.9	57.6
Mauritius	385	33.3	18.3	26.9	92.8	75.3
Morocco	263	25.7	12.3	26.6	15.4	31.0
Mozambique	156	38.8	7.7	8.8	17.7	13.2
Niger	101	30.8	5.5	8.9	19.2	25.7
Nigeria	190	38.1	9.7	40.7	18.6	44.0
Rwanda	66	52.4	4.0	16.2	13.3	20.3
São Tomé + Príncipe	85	...	...	...	...	...
Senegal	213	37.1	14.0	11.0	35.4	43.1
Seychelles	183	...	...	...	...	...
Sierra Leone	140	37.2	12.4	10.8	22.1	24.1
Somalia	101	37.6	7.0	21.4	14.7	33.1
Southern Rhodesia	305	32.9	15.1	15.8	16.4	17.6
Sudan	140	35.8	10.6	13.6	23.3	24.4
Swaziland	431	44.2	18.9	23.8	65.7	57.2

Table A3. (cont.)

Country	GDP per capita (constant 1970 \$)	Labour Force/ Population	MVA/GDP	Gross fixed capital formation/GDP per cent	Exports/GDP	Imports/GDP
Un. Rep. Tanzania	106	41.6	10.4	18.6	24.3	19.5
Togo	118	41.4	6.9	24.9	20.6	41.1
Tunisia	436	23.9	11.7	25.3	20.8	30.3
Uganda	112	40.3	7.1	5.9	12.8	15.8
Upper Volta	59	53.7	14.0	10.1	10.8	23.8
Zaire	87	41.7	8.8	28.8	59.4	47.7
Zambia	434	36.9	11.0	20.6	48.5	17.3
Africa, total	194	37.5	11.4	24.3	23.7	33.2

Source: UNIDO, compiled from UNESO and ILO data.

Table A1
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (ANGOLA) IN 1979 (in per cent),
 with totals^{a/}

ISIC	MVA	OUTPUT	GFCF	WAGES	NUMBER OF b/ EMPLOYEES
3110				21.99	25.14
3130				10.26	3.55
3140				3.18	1.78
3210				14.17	26.78
3220				0.65	0.55
3230				0.16	0.27
3240				0.41	0.27
3260				0.90	0.68
3310				5.13	9.15
3410				5.13	2.46
3420				11.40	11.61
351A				2.44	0.55
3530				0.00	0.00
3540				3.99	1.91
3550				1.63	1.09
3560				0.49	0.41
3620				6.84	7.51
369F				1.30	0.68
3710				0.00	0.00
3720				1.95	1.64
3810				0.65	0.27
3820				2.36	0.96
3830				4.48	2.46
3840				0.00	0.00
3850				0.49	0.27
3900					
TOTAL				100	7700

a/ Value totals in million escudos

b/ Persons engaged

Table A1
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (BURUNDI) IN 1970 (in per cent),

ISIC	MVA	OUTPUT	with totals ^{a/} GFCF	WAGES	NUMBER OF EMPLOYEES
3110		13.09		5.09	7.98
3130		45.76		45.53	26.13
3220		15.99		3.03	8.32
3230		0.33		2.61	6.47
3240					
3320		1.32		12.24	9.50
3520		7.03		31.50	41.60
3810		14.00			
TOTAL		907000		72700	1100

a/ value totals in thousand francs

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (UNTD.RP.CAMR) IN 1970. (in per cent),

ISIC	MVA	OUTPUT ^b	GFCF ^a	WAGES	NUMBER OF EMPLOYEES
3110		29.90		22.15	9.66
3130		12.00		11.01	7.25
3140		5.12		9.12	17.02
3210		6.27		4.71	4.24
3220		6.41		9.86	11.89
3230		0.40		0.50	0.83
3240		3.50		4.83	4.28
3310		0.51		0.92	0.96
3320		0.49		1.23	1.38
3410		0.00		0.00	0.00
3420		1.57		3.06	1.67
3510		0.74		0.59	0.82
3520		3.12		2.96	3.23
3530		0.00		0.00	0.00
3540		0.00		0.00	0.00
3550		0.05		0.09	0.24
3560		1.89		1.54	2.53
3610		0.18		0.55	1.21
3620				0.55	1.11
3690				0.25	0.79
3710		0.13		0.00	0.00
3720		0.00		0.00	0.00
3810		16.00		9.94	7.32
3820		6.70		9.76	16.39
3830		2.12		2.75	3.61
3830		0.97		0.81	0.93
3840		2.96		2.00	2.58
3850		0.00		0.00	0.00
3900		0.01		0.03	0.05
TOTAL	73205		7544		25727

^{a/} Value totals in million francs

^{b/} Gross output in producer values.

Table M
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (CONGO,) IN 1970 (in per cent),
 with totals^{a/}

ISIC	NVA	OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	16.39	20.72	1.54	26.47	66.37
313A	19.63		10.04	12.35	4.20
3130		15.31			
321C	5.14	4.48	3.45	9.41	0.71
331A	9.06	11.67	23.46	12.13	10.65
3310A					
341A	2.36	1.59	4.91	1.07	1.00
351A					
3510	7.04	6.77	2.79	3.16	
353A	10.35	13.19	27.13	14.42	
361B	5.36	4.73	5.13	4.67	3.99
3710B	4.54	4.85	1.90	4.20	2.74
3840	0.06	7.10	6.67	9.45	0.73
385A	2.36	1.50	4.91	1.07	0.81
TOTAL	9421	21213	1364	4970	15853

a/ Value totals in million francs

Table A4
 MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
 SECTORAL SHARES FOR (EGYPT) IN 1970 (in per cent),

ISIC	MVA ^{b/}	OUTPUT ^{b/}	with total ^{a/}	GFCE	WAGES	NUMBER OF EMPLOYEES
3110	10.40	22.40	12.04	16.28	13.80	16.28
3130	1.54	1.25	0.28	1.66	1.39	1.66
3140	4.80	10.76	1.11	2.20	3.14	2.20
3210	32.33	26.03	22.21	38.76	35.85	38.76
3220	0.26	0.36	0.11	0.59	0.37	0.59
3230	0.55	0.89	1.20	0.62	0.52	0.62
3240	1.78	1.00	0.29	1.09	1.10	1.09
3310	0.59	0.51	0.86	0.87	0.67	0.87
3320	0.53	0.37	0.12	0.60	0.60	0.61
3410	2.20	2.17	1.35	2.15	1.82	2.15
3420	2.50	1.66	1.59	2.42	3.07	2.42
3510	4.75	3.40	13.48	2.67	3.42	2.67
3520	6.99	6.44	3.07	4.60	5.49	4.60
3530	1.52	1.00	10.49	1.33	2.14	1.33
3540	1.75	1.42	4.24	0.30	0.33	0.30
3550	1.82	1.06	0.87	0.45	0.95	0.45
3560	0.81	0.47	0.55	0.64	0.62	0.64
3610	0.60	0.28	0.26	0.44	0.38	0.44
3620	0.84	0.56	0.26	1.21	1.21	1.43
3690	3.41	2.99	1.70	3.45	3.45	3.71
3710	4.57	4.75	0.73	5.41	5.41	3.62
3720	0.75	0.92	1.40	0.47	0.65	0.47
3810	4.64	1.53	3.85	4.33	4.06	4.33
3820	2.09	1.27	2.17	1.78	2.21	1.78
3830	3.57	2.51	6.27	2.18	2.36	2.18
3840	3.78	3.45	9.02	4.01	4.49	4.01
3850	0.14	0.07	0.14	0.12	0.13	0.12
3900	0.46	0.48	0.37	0.49	0.37	0.49
TOTAL	30070	11000	14470	50500	15000	50500

a/ Value totals in thousand pounds

b/ Production values

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (ETHIOPIA) IN 1970, (in per cent)

ISIC	MVA	OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	26.53	24.41	10.31	15.07	16.90
3130	15.63	11.08	15.04	8.23	6.15
3140	4.61	3.33	1.67	1.17	0.87
321A			31.30		
3210	20.10	32.39		33.37	42.71
3220	0.62	0.70		0.73	1.11
323A			1.04		
3230	1.35	1.00		1.81	1.86
3240	1.45	1.66		2.96	2.57
331A			2.75		
3310	2.27	2.14		4.60	5.75
3320	0.67	0.55		1.41	1.01
3410	0.54	0.74		1.24	0.74
342F			0.52		
3420	2.09	1.69		4.38	3.24
351E			0.35		
3510	0.44	0.33		0.47	0.32
3520	1.39	2.07		1.74	1.52
3530	1.90	4.05		8.29	1.33
3540	0.00	0.00		0.00	0.00
3550	0.62	0.61		0.59	0.63
3560	0.84	0.85		0.84	1.23
3610	0.00	0.00	0.00	0.00	0.00
362A			12.55		
3620	0.90	0.76		1.31	0.77
3690	4.83	3.25		6.78	7.62
3710	3.76	5.22		2.08	1.04
3720	0.00	0.00	2.00	0.00	0.00
3810	1.24	1.52	4.15	2.85	2.52
3820	0.00	0.00	0.00	0.00	0.00
3830	0.05	0.04	0.55	0.00	0.11
3840	0.00	0.00		0.00	0.00
3850	0.00	0.00		0.00	0.00
3900	0.00	0.00		0.00	0.00
TOTAL	26080	54530	36420	62520	40415

a/ Value totals in thousand birr

b/ Persons engaged

Table A1
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (GHANA) IN 1970 (in per cent),
 with total:^{a/}

ISIC	MVA ^{b/}	OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	11.01	16.71		8.88	7.52
3130	10.34	7.45		5.37	5.11
3140	8.79	5.92		2.48	2.18
3210	11.38	14.93		17.27	20.15
3220	2.00	1.76		2.23	6.25
3230	0.23	0.29		0.65	1.02
3240	0.36	0.50		1.60	2.28
3310	8.35	7.72		15.73	23.01
3320	0.74	0.72		1.87	2.96
3410	2.22	2.42		1.12	1.38
3420	2.06	1.74		5.94	5.88
3510	0.78	1.13		1.06	1.01
3520	3.16	4.83		4.00	3.87
3530	14.74	7.62		3.91	0.70
3540	0.00	0.00		0.00	0.00
3550	2.34	1.90		1.94	2.05
3560	0.64	0.49		0.88	1.16
3610	0.00	0.00		0.00	0.00
3620	0.50	0.52		1.00	1.30
3690	1.95	2.75		2.36	2.45
3710	0.57	0.60		1.44	1.20
3720	10.80	12.51		11.03	0.00
3810	2.83	3.29		4.94	4.41
3820	0.10	0.06		0.13	0.20
3830	1.27	1.43		1.38	1.25
3840	2.56	2.48		2.46	2.17
3850	0.02	0.02		0.03	0.04
3900	0.25	0.19		0.31	0.45
TOTAL	99.070	44.020		455.07	557.63

a/ Value totals in thousand cedis

b/ Value added in producers' values

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (KENYA
IN 1970 (in per cent),
with total -

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES ^{c/}
3110	19.02	32.81	22.19	18.61	18.27
3130	9.54	6.00	15.24	6.58	3.77
3140	4.35	2.44	0.73	2.84	1.33
3210	5.68	5.25	13.80	6.41	11.76
3220	1.83	2.03	1.88	2.17	3.34
3230	0.48	0.70	0.50	0.60	0.74
3240	1.25	1.30	0.41	1.06	1.30
3310	2.43	1.88	1.13	3.29	7.67
3320	0.96	0.90	0.42	1.22	1.34
3410	2.04	2.30	0.81	1.73	1.58
3420	4.93	3.39	2.47	6.90	3.78
351A	7.28	7.39	4.05	5.68	4.30
3530	4.74	8.41	3.81	1.87	0.39
3540	0.00	0.00	0.00	0.00	0.00
3550	0.96	0.73	0.42	0.82	0.77
3610	0.00	0.00	0.00	0.00	0.00
3620	0.90	0.62	0.07	0.85	0.75
3690	6.17	4.84	21.72	3.45	2.91
3710	0.00	0.00	0.00	0.00	0.00
3720	0.00	0.00	0.00	0.00	0.00
3810	7.80	6.64	7.72	7.62	6.25
3820	1.00	0.90	0.40	1.43	0.86
3830	6.36	4.17	1.18	7.63	5.57
3940	10.79	6.13	0.49	17.44	21.49
3850	0.00	0.00	0.00	0.00	0.00
3900A	1.43	1.20	1.37	1.77	1.82
TOTAL	48100	170330	14865	24680	65307

^{a/} Value totals in thousand pounds

^{b/} Factor values

^{c/} Persons engaged

Table M
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (LIBY ARAB R.) IN 1970 (in per cent),
 with total^a

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	14.10	24.62	39.64	15.69	21.26
3130	6.10	6.47	1.46	7.98	7.97
3140	43.05	27.40	3.33	19.34	15.87
3210	3.61	5.19	1.70	6.19	7.68
3310	1.55	1.79	0.95	2.35	3.27
3320	0.77	1.46	0.70	1.55	2.24
3420	3.06	2.50	0.85	7.61	5.99
3510	0.04	0.75	0.60	1.06	1.13
3520	11.01	14.34	2.43	11.59	7.64
3540	0.00	0.00	0.00	0.00	0.00
3610	0.00	0.00	0.00	0.00	0.00
3690	7.21	7.51	43.00	11.76	14.04
3720	0.00	0.00	0.00	0.00	0.00
3810	5.60	5.45	3.50	11.59	8.98
3830	0.26	0.33	0.15	0.73	0.95
3840	0.00	0.00	0.00	0.00	0.00
3850	0.00	0.00	0.00	0.00	0.00
3900	1.16	2.12	1.44	2.57	2.99
TOTAL	15530	33550	4109	5755	7151

^{a/} Value totals in thousand dinars

^{b/} Factor values

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (MADAGASCAR) IN 1970 (in per cent),
 with totals^{a/}

ISIC	NVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	20.06	35.64		28.66	37.09
3130	3.34	3.19		2.72	2.94
3140	3.05	3.92		3.39	3.05
3210	20.12	15.94		16.76	20.06
3220	4.05	4.94		5.56	5.99
3230	0.87	0.86		0.59	0.84
3240	3.10	1.95		2.54	1.45
331A	2.26	2.04		3.69	4.60
3410	2.99	2.75		3.22	1.66
3420	3.54	2.42		5.19	2.81
351A	7.45	0.26		6.20	5.45
3530	4.63	2.30		3.60	0.61
3540	0.00	0.00		0.00	0.00
3550	0.73	0.44		0.46	0.28
3610	0.00	0.00		0.00	0.00
3620	0.33	0.31		0.53	0.27
3690	2.16	2.33		2.43	3.36
3710	0.00	0.00		0.00	0.00
3720	0.00	0.00		0.00	0.00
3810	5.23	5.76		4.75	3.64
3820	0.00	0.00		0.00	0.00
3830	1.03	1.27		1.53	0.86
3840	4.45	5.04		5.39	4.35
3850	0.00	0.00		0.00	0.00
3900A	0.63	0.60		0.79	0.67
total	18573	10077		6584	26110

^{a/} value totals in million francs

^{b/} Producer's values

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (MALAYSI) IN 1970 (in per cent),
 with total^{a/}

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	EMPLOYED OR EMPLOYEES
3110	22.28	31.17	22.07	25.26	32.60
3130	17.16	7.24	5.70	5.57	3.28
3140	11.94	22.15	5.22	22.51	22.95
3210	11.11	8.41	32.05	9.83	11.65
3220	5.70	5.60	2.00	5.76	7.48
3230					0.32
3240					0.77
3310	1.54	1.24	3.00	2.92	4.36
3320	1.11	0.91	0.53	1.82	1.90
341A	3.71	2.77	3.40	5.93	
3410					0.32
3420					3.82
351A	9.71	0.70	9.12	6.09	
3510					0.18
3520					4.01
3530	0.00	0.00	0.00	0.00	0.00
3540	0.00	0.00	0.00	0.00	0.00
355A	2.71	1.00	1.18	2.64	
3550					0.52
3560					0.15
3610	0.00	0.00	0.00	0.00	0.00
3620	0.00	0.00	0.00	0.00	0.00
3690	7.41	3.01	10.35	6.16	1.29
3710	0.00	0.00	0.00	0.00	0.00
3720	0.00	0.00	0.00	0.00	0.00
3810	3.47	2.81	0.94	3.25	2.05
3820	2.14	3.22	4.43	2.26	
3820					0.82
3830					0.53
3840					0.22
3850	0.00	0.00	0.00	0.00	0.00
3900	0.00	0.00	0.00	0.00	0.00
TOTAL	100.00	68.04	5.28	73.56	17.614

^{a/} Value total in thousand kwacha

^{b/} Netia value

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (MAURITIUS) IN 1970. (in per cent),
 with totals

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	69.06	69.51		44.02	37.43
3130	5.44	5.96		6.35	5.72
3210	1.41	0.98		2.98	4.68
322F	3.64	2.89		3.53	10.66
3320	1.52	0.91		1.79	3.09
3420	2.52	1.27		5.36	5.33
351A	2.39	2.12		2.06	2.16
3530	0.00	0.00		0.00	0.00
3540	0.00	0.00		0.00	0.00
3550	0.86	0.59		0.00	0.00
3560	0.00	0.00		0.65	0.91
3610	0.00	0.00		0.00	0.00
362A	2.61	1.06		0.00	0.00
3710	0.00	0.00		3.00	3.85
3720	0.00	0.00		0.00	0.00
3810	1.53	1.45		0.00	0.00
3820	1.14	1.25		2.17	3.86
3830	0.75	0.43		4.52	3.46
3840	6.00	3.90		1.38	1.41
3850	0.00	0.00		13.00	10.68
3900E	0.54	7.63		0.00	0.00
TOTAL	120150	527240		52508	47925

^{a/} Value totals in thousand rupees

^{b/} Producers' values

Table M
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (MOZAMBIQUE) IN 1970 (in per cent),
 with totals

ISIC	MVA	OUTPUT	GFCF	WAGES	EMPLOYEES
3110	36.05	39.90		27.10	42.91
3130	0.07	4.65		5.56	2.44
3140	6.36	3.92		3.17	0.89
3210	10.06	12.94		10.19	13.00
3220	1.82	2.10		2.06	2.79
3230	0.10	0.20		0.31	0.26
3240	0.22	0.25		0.39	0.45
3310	4.83	4.95		9.81	14.64
3320	1.16	1.00		2.16	1.86
3410	0.83	1.00		0.77	0.44
3420	2.70	2.13		6.25	3.00
3510	1.30	0.87		1.85	0.61
3520	2.24	2.26		2.24	0.79
3530	4.30	6.37		2.32	0.47
3540	0.00	0.00		0.00	0.00
3550	1.10	0.90		1.24	0.99
3560	0.50	0.46		0.54	0.39
3610	0.00	0.00		0.00	0.00
3620	0.92	0.67		1.54	0.79
3690	5.84	4.67		4.94	3.96
3710	0.97	1.45		0.77	0.48
3720	0.00	0.00		0.00	0.00
3910	4.10	4.19		7.03	4.49
3820	0.31	0.24		0.62	0.21
3830	0.83	0.79		0.62	0.19
3840	3.73	3.62		7.03	3.57
3850	0.00	0.00		0.00	0.00
3900	0.64	0.44		0.62	0.37
TOTAL	4558	9978		1995	8515

Value totals in million escudos

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (NIGERIA/) IN 1970 (in per cent)
 with totals

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	12.13	16.01		12.37	14.32
3130	15.26	9.27		5.72	3.35
3140	0.76	5.22		3.29	2.47
3210	23.55	23.55		22.58	27.36
3220	0.55	0.79		1.24	1.59
3230	0.41	0.05		1.01	1.10
3240	1.13	1.79		2.40	2.15
3310	1.07	1.75		5.68	6.58
3320	0.70	0.76		1.80	2.54
3410	1.60	2.12		2.40	1.63
3420	2.52	2.57		7.47	5.80
3510	0.42	0.44		0.52	0.31
3520	5.52	6.45		7.54	4.75
3530	1.34	0.63		1.47	0.20
3540	7.11	5.52		0.21	0.09
3550	3.90	4.05		5.68	6.67
3560	1.31	1.33		1.55	1.68
3610	0.09	0.09		0.34	0.37
3620	0.49	0.45		0.55	0.75
3690	2.41	2.21		2.77	3.17
3710	0.00	0.00		0.00	0.00
3720	0.15	2.50		0.20	0.12
3810	6.43	0.15		10.25	9.87
3820	0.21	0.20		0.46	0.44
3830	0.99	1.56		1.06	1.21
3840	0.27	0.21		0.53	0.57
3850	0.03	0.04		0.04	0.06
3900	0.70	0.61		0.88	0.82
TOTAL	19730	42300		34161	19850

a/ Value totals in thousand pounds

b/ Producers' values

Table A

MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT

SECTORAL SHARES FOR RWANDA,) IN 1970 (in per cent),

ISIC	MVA ^{b/}	OUTPUT ^{c/}	GFCF	WAGES	NUMBER ORG / EMPLOYEES ^{c/}
311A	89.42	80.91		53.93	52.55
3320	1.65	2.19		6.78	10.73
351A	2.47	2.55		1.74	13.78
3820	3.29	6.80		25.60	15.41
3900A	3.17	7.47		11.95	7.53
TOTAL	851	2237		230.1	5180

a/ Value totals in million francs

b/ Producer values

c/ Persons engaged

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (SOMALIA) IN 1970 (in per cent)
 with totals

ISIC	MVA	OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	89.25	02.37	44.13	70.10	57.54
3130	2.10	3.33	14.57	2.94	3.59
3210	1.29	3.24	14.43	11.70	15.11
323A	1.40	1.42	0.40	2.31	3.72
3320	1.15	1.08	1.72	3.01	6.67
3420	3.29	3.10	2.46	5.37	4.74
3520	0.01	2.17	21.61	1.04	2.27
3690	0.77	1.37	0.36	0.93	3.47
3010	0.19	0.29	0.02	0.20	0.62
3900	0.56	0.75	0.30	1.45	2.27
TOTAL	100.00	166.20	5.003	29570	5295

a/ Value totals in thousand shillings

Table M
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (SOUTH.AFRICA) IN 1970 (in per cent),

ISIC	^{a/} MVA	^{b/} OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
	with totals ^{a/}				
3110	12.12	22.43	19.06	11.93	13.03
3130	6.14	4.24	6.67	3.07	3.05
3140	3.79	2.50	1.52	3.03	3.49
3210	7.06	8.06	11.76	7.02	9.71
3220	6.03	5.57	3.63	7.31	10.59
3240	1.40	1.41	1.06	1.02	2.46
3310	2.45	2.09	3.72	2.57	4.99
3320	1.97	1.63	4.41	2.36	3.86
3410	2.67	2.40	1.99	2.20	1.89
3420	4.36	2.07	1.92	6.00	2.96
351F	5.45	6.05	5.71	3.41	2.35
3520	5.57	4.40	2.90	4.22	3.11
3550	1.99	1.64	4.22	1.67	1.11
3560	1.17	0.93	1.24	1.06	1.10
361W	5.47	3.79	5.03	4.40	6.36
3710	0.49	6.54	5.71	7.39	5.49
3720	2.03	2.00	2.17	1.23	1.27
3810	0.52	7.54	7.64	9.45	9.21
3820	2.92	2.71	2.90	3.02	2.85
3830	3.00	3.17	1.00	2.90	2.98
3840	5.97	5.46	3.20	9.93	5.74
305AF	1.27	0.91	0.70	1.20	1.59
total	259500	649360	32220	115250	114650

^{a/} Value totals in thousand dollars

^{b/} Factor values

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (SUDAN a/) IN 1970 (in per cent),
with totals b/

ISIC	b/ MVA	c/ OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	21.27	31.97		19.00	
3130	13.65	11.93		0.04	
3140	4.24	5.49		1.24	
321A	26.99	16.91		33.97	
323A	7.23	7.02		0.25	
331A	4.24	3.12		4.02	
341A	1.62	1.53		3.73	
351E	9.64	10.90		5.33	
361B	2.10	1.52		3.73	
3710A	9.03	9.63		11.10	
3850	0.00	0.00		0.00	
3900	0.00	0.00		0.00	
TOTAL	43870	125870		11690	

a/ value totals in thousand pounds

b/ Factor values

c/ Producers' values

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (SWAZILAND) IN 1970 (in per cent),
 with totals^a

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES ^{c/}
311A	36.94	55.14	33.36	42.49	42.96
3210					
3220					
331A	57.24	35.96	50.13	40.90	49.43
3900	5.82	8.90	8.51	8.53	7.61
TOTAL	100.00	34135	1433	4163	5375

^{a/} Value totals in thousand em-lanzeni

^{b/} Producers' values

^{c/} Persons engaged

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (UNTD.RP.IANZ) IN 1970 (in per cent)

ISIC	h/ MVA	h with total ^{a/} OUTPUT	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	20.89	31.99	18.96	24.65	31.32
3130	9.41	5.11	7.09	2.52	1.41
3140	0.71	5.40	5.05	6.71	5.11
3210	22.13	18.21	26.71	25.07	32.00
3220	1.65	2.30	0.61	2.34	2.65
3230	0.91	1.55	0.29	0.72	0.37
3240	1.69	1.55	3.25	1.66	1.40
3310	1.90	2.30	2.94	3.89	5.02
3320	4.00	2.64	1.14	2.60	2.37
3410	0.22	0.23	0.36	0.22	0.24
3420	3.61	2.58	1.58	4.19	2.58
3510	0.65	1.55	1.26	1.04	0.90
3520	3.31	4.71	5.86	2.75	2.02
353A	5.94	2.18	3.72	4.07	0.67
3550	0.59	0.57	0.40	0.81	0.48
361A	0.33	0.29	0.81	0.52	0.51
3690	3.61	2.70	3.75	4.15	3.16
371A	0.72	1.15	3.72	0.51	0.35
3810	3.50	4.65	2.15	2.67	2.27
3820	1.55	1.26	0.18	0.97	1.25
3830	0.84	1.21	6.49	1.91	0.55
3840	2.51	3.91	0.84	2.69	1.60
3850	0.00	0.00	0.00	0.00	0.00
3900	0.45	1.95	2.81	2.55	1.77
TOTAL	56.650	174.1000	108.480	222.450	48.114

a/ value totals in thousand shillings

b/ Factor values

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (1060) IN 1970 (in per cent),

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF ^{a/}	with totals ^{a/}	WAGES	NUMBER OF ^{c/} EMPLOYEES -
3110	19.63	20.73	30.93	26.51	16.00	
3130	32.60	30.02	43.26	24.43	24.00	
3210	36.62	39.03	21.44	20.10	32.00	
3900X	11.14	9.41	4.36	20.00	28.00	
TOTAL	100	2508	527	479	2500	

^{a/} Value totals in million francs

^{b/} Producers' value

^{c/} Persons engaged

Table A4
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (TUNISIA) IN 1970 (in per cent)
 with totals

ISIC	MVA ^{b/}	OUTPUT ^{b/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	18.64	26.22	6.76	16.21	17.75
3130	7.78	4.00	3.64	4.20	3.31
3140	3.07	0.40	1.76	3.15	1.71
3210	6.17	0.68	11.96	11.25	12.74
3220	6.16	4.15	2.21	6.48	10.99
3230	1.02	0.90	0.20	1.13	1.14
3240	1.60	1.46	4.03	2.93	3.20
3310	1.96	1.39	0.65	2.26	3.60
3320	1.16	0.76	1.43	1.52	1.90
3410	3.60	2.93	33.22	3.94	4.65
3420	3.36	1.49	2.02	3.97	3.60
351A	13.32	12.95	7.00	12.07	8.74
3530	4.49	4.75	0.91	1.91	0.65
3540	0.00	0.00	0.00	0.00	0.00
3550	1.82	0.95	0.39	0.53	0.30
3560	0.01	0.30	1.11	0.42	0.39
3610	1.14	0.57	0.26	0.00	0.93
3620	0.78	0.32	0.07	0.54	0.44
3690	9.60	5.84	7.74	11.09	11.15
3710	3.99	4.34	5.90	4.39	3.07
3720	1.04	1.95	1.24	1.48	1.10
381A	2.05	2.30	1.30	3.71	2.93
3830	2.03	1.90	1.24	2.24	1.89
3840	1.50	1.41	2.20	2.31	2.39
3850	0.00	0.00	0.00	0.00	0.00
3900	1.94	0.91	1.02	1.30	1.44
TOTAL	66420	267030	15380	29785	55350

a/ Value totals in thousand dinars

b/ producers' values

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (ZAIRE) IN 1970, (in per cent),

ISIC	MVA	OUTPUT	GFCF	WAGES	PROPERTY OR EMPLOYEES
3110			3.15	14.56	20.89
313A			3.73		
3130				11.20	7.25
3140				3.51	1.40
3210			16.00	13.49	17.54
3220			1.07	4.17	5.94
323A			0.15	0.30	0.49
323A			2.05		
331A				6.74	15.39
3310				1.07	2.34
3320				0.54	0.36
3410			0.46	2.78	1.95
3420			0.90		
3420			2.29		
351A				7.36	4.07
3510				0.43	0.23
3520				0.00	0.00
3530			0.00	7.13	1.92
3540			0.70	3.08	3.61
3550			0.00	0.00	0.00
3560			1.99		
3610				0.26	0.29
3610				0.71	0.42
3620				3.73	3.26
3690				3.00	1.33
371A			50.00	6.83	5.65
3810			4.06		
3810			0.70		
382A				1.67	0.87
3820				0.90	0.51
3830			3.39	3.96	2.88
3840			0.31		
385A				0.00	0.00
3850				2.42	1.42
3900					
total			37720	46710	95850

Value totals in thousand zaires

Table A
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
SECTORAL SHARES FOR (ZAMBIA) IN 1970 (in per cent),

ISIC	MVA ^{b/}	OUTPUT ^{a/}	with totals ^{a/}	GFCF	WAGES	NUMBER OF EMPLOYEES
3110	13.02	24.12	10.65	17.40	21.94	
313A	40.73	21.06	17.00	12.49	8.68	
3210	1.22	2.09	6.90	4.99	6.94	
3220	6.04	5.79	1.31	8.00	11.13	
323A	1.22	1.29	0.22	0.26	0.49	
3310	1.93	1.61	1.46	2.71	5.34	
3320	2.21	1.93	0.49	3.03	2.90	
3410	1.42	1.61	1.04	1.70	1.54	
3420	1.09	1.93	1.49	6.20	4.33	
3510	0.48	2.57	43.26	3.90	2.47	
3520	3.66	7.40	1.91	6.20	5.16	
353A	0.35	0.32	0.09	0.15	0.12	
3550	2.53	3.86	0.67	4.13	2.35	
3560	0.35	0.64	0.75	0.50	0.41	
3620	0.00	0.00	0.00	0.00	0.00	
369F	6.90	5.14	1.53	0.09	0.00	
3710	2.10	1.29	1.10	2.32	8.98	
3720	0.00	0.00	0.00	0.00	1.96	
3810	7.79	8.04	3.08	0.00	0.00	
3820	2.23	2.57	0.47	10.13	9.64	
3830	1.22	1.93	4.97	2.73	1.67	
384A	1.57	2.09	0.24	1.96	1.64	
3840			0.00	2.19	1.85	
3850	0.23	0.32	0.00	0.52	0.47	
3900			0.42			
TOTAL	195.00	311.00	45.80	465.00	406.00	

^{a/} Value totals in thousand Kwacha

^{b/} Producers' values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (BURUNDI) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVA	OUTPUT (70/74)	GFCF (Percentage)	WAGES (70/74)	NUMBER OF EMPLOYEES (70/74)
3110		24.43		26.92	24.74
3130		33.62		17.69	14.26
3220		16.27		12.31	2.43
3230					
3240					
3320		-2.15		-0.57	-1.59
3520		2.71		1.70	-20.47
3610		-1.13			
TOTAL		23.40		11.30	0.69

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (COMBO . . .) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA (70/73)	OUTPUT (70/73)	GFCF (70/73)	WAGES (70/73)	NUMBER OF EMPLOYEES (70/73)
3110	7.14	-12.10	103.13	13.54	-3.01
313A	16.20		-22.17	-0.77	1.19
3130		0.14		2.30	4.50
321C	-4.24		-30.10		13.00
331A					7.57
3310A					
341A					
351A					
3510					
353A	-4.53	-1.55	-29.05	13.01	6.62
361H	12.79	7.70	26.77	19.07	6.35
3710H	-27.29	-32.50	-19.20	-34.10	14.36
3840	0.00	-2.05	-40.64	13.70	-0.26
385A					
TOTAL	1.10	-2.96	-23.24	1.26	0.94

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (ETHIOPIA) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA (70/75)	OUTPUT (70/75)	GFCF (70/75)	WAGES (70/75)	NUMBER OF EMPLOYEES (70/75)
3110	6.43	5.88	-4.06	19.15	10.04
3130	9.79	8.88	-21.23	-1.61	0.24
3140	9.62	12.05	10.39	17.19	9.79
321A	14.22	9.26	-6.79	7.48	1.38
3210	19.23	26.11		21.67	17.24
323A	6.93	9.06	67.63	8.25	5.77
3230	12.42	10.15		5.54	5.82
331A	6.81	7.54	-20.38	10.46	6.09
3310	1.55	2.79		6.53	5.55
3320	-19.61	28.88		9.66	8.99
3410			-4.62	6.32	-1.22
342F	17.04	11.23	1.65		
3420				-15.19	-21.73
351E	-8.94	-12.85		8.19	1.85
3510	33.56	19.25		6.83	2.44
3520	29.32	33.96			
3530				47.07	41.85
3540	40.94	43.45		-8.72	-5.88
3550	9.81	9.93			
3560			-19.04		
3610				4.56	6.23
362A	-29.13	-21.04		-1.98	-1.72
3620	-3.15	1.16		-5.57	2.16
3690	0.67	4.10			
3710				5.70	-0.92
3720	7.63	6.37		7.67	2.21
3810					
3820	2.71	14.34			
3830					
3840					
3850					
3900					
TOTAL	10.67	10.59	-5.93	8.70	4.00

1/ Persons employed

Table B5

**MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (KENYA) - 1970 TO LATEST YEAR (INDICATED)**

ISIC	MVA ^{a/} (70/75)	OUTPUT ^{a/} (70/75)	GFCF (Percentage)	WAGES (70/75)	NUMBER OF EMPLOYEES (70/75) ^{b/}
3110	26.64	23.63		20.49	23.00
3130					
3140					
3210	21.77	21.90		20.40	8.06
3220	13.40	20.65		14.42	4.75
3230					
3240					
3310	17.94	19.72		4.66	7.47
3320	16.80	24.25		20.70	13.90
3410	29.65			32.50	23.55
3420	4.48	14.35		4.10	-0.34
351A					
3530					
3540					
3550	55.93	47.03		33.61	17.12
3610					
3620					
3690	17.10	15.52		21.79	9.00
3710					
3720					
3810	13.20	17.40		10.76	3.49
3820	-0.42	0.00		-2.13	-2.77
3830	-9.19	2.05		-12.34	0.96
3840	-10.00	-1.44		-21.04	4.05
3850					
3900A					
TOTAL	17.73	24.14		12.27	10.60

^{a/} Factor values

^{b/} Persons employed

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (LIBY ARAB R.) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVA ^{a/} (70/75)	OUTPUT ^{a/} (70/75)	GFCF (70/75)	WAGES (70/75)	EMPLOYED OP EMPLOYEES (70/75)
3110	26.02	25.04	60.57	27.99	11.11
3130	25.17	20.83	73.34	20.14	17.73
3140	25.24	26.67	61.04	10.97	5.37
3210	12.74	15.70	126.20	7.07	-0.44
3310	16.27	22.07	10.07	23.25	12.94
3320	52.20	37.10	165.70	31.65	16.34
3420	7.71	19.42	27.73	15.47	4.17
3510	32.95	31.69	43.94	35.54	15.15
3520	23.04	21.37	39.96	11.45	3.60
3540					
3610	36.20	43.23	61.75	31.65	16.67
3690					
3720	22.30	22.36	0.25	2.59	-3.62
3810	0.45	1.76	102.52	17.73	-0.30
3830					
3840					
3850	39.47	32.23	160.04	56.76	44.96
3900					
TOTAL	25.90	26.94	70.02	21.65	11.55

^{a/} Factor values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (MADAGASCAR) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA ^{a/} (70/74)	OUTPUT ^{a/} (70/74)	GFCF (Percentage)	WAGES (70/74)	NUMBER OF EMPLOYEES (70/74)
3110	3.60	1.36		15.50	3.17
3130	27.30	23.10		31.97	17.54
3140	0.77	1.07		13.72	5.05
3210	25.24	27.62		23.47	13.56
3220	11.24			12.05	5.09
3230	-3.61	4.66		22.56	-3.48
3240	0.90			15.29	5.99
331A	5.79	3.33		0.76	-4.65
3410	19.43	21.14		12.70	5.55
3420	0.23	5.79		5.89	5.97
351A	9.21	16.74		19.82	12.55
3530	3.00	9.42		15.58	4.33
3540					
3550	4.18	10.47		15.03	5.21
3410					
3620	55.06			30.56	35.71
3690	-3.06			9.97	-12.10
3710					
3720					
3410	12.44	20.54		14.77	3.62
3820					
3830	24.37	23.69		24.67	13.73
3840	3.86	2.90		12.91	-2.30
3850					
3900A	33.17	31.73		29.89	16.64
TOTAL	12.01	12.51		17.19	6.27

^{a/} Producers' values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (MALAWI) - 1970 TO LATEST YEAR (INDICATED)
 (Percentage)

ISIC	MVA ^{a/} (70/73)	OUTPUT ^{a/} (70/73)	GFCF (70/73)	WAGES (70/73)	NUMBER OF EMPLOYEES (70/73)
3110	7.95	15.24	80.12	4.94	2.24
3130	-10.64	27.40	46.51	16.96	15.88
3140	11.30	19.23	43.89	11.10	18.41
3210	12.09	23.14	9.00	16.70	16.81
3220	-0.26	9.58	-6.19	0.93	3.70
3230					4.00
3240					5.61
3310	56.50	44.15	-29.14	22.27	15.62
3320	31.26	39.32	15.77	33.25	26.37
341A				16.37	43.36
3410					8.84
3420	6.77	24.01	-5.85	20.76	18.05
351A					9.24
3510					
3520					
3530	-4.98	13.10	53.62	8.24	20.95
3540					22.67
355A					
3550					
3610					
3620	0.27	8.43	21.39	20.62	85.06
3690					
3710					
3720					
3810	12.68	18.11	13.21	6.90	13.71
3820	34.85	24.31	-26.94	33.84	6.27
3830					6.33
3840					115.06
3850					
3900					
TOTAL	0.03	19.65	34.99	12.88	13.32

^{a/} Factor values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (MAURITIUS) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVA ^a (70/75)	OUTPUT ^a (70/75)	GFCF (Percentage)	WAGES	EMPLOYEES
3110	29.10	35.92			
3130	32.00	33.94			
3210	27.40	29.13			
322F					
3320	21.07	10.50			
3420	20.99	20.70			
351A					
3530					
3540					
3550					
3500	15.06	20.04			
3610					
362A					
3710					
3720					
3810	40.59	39.73			
3420	35.01	22.45			
3830	00.29	79.09			
3840	5.90	-0.00			
3850					
3900E					
TOTAL	31.47	35.90			

^a / Producers' values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (MOZAMBIQUE) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA (70/73)	OUTPUT (70/73)	GFCF (Percentage)	WAGES (70/73)	NUMBER OF EMPLOYEES (70/73)
3110	-2.56	11.64		21.92	4.45
3130	7.17	22.02		17.90	14.22
3140	-1.39	3.94		14.78	10.35
3210	0.49	10.76		15.05	0.60
3220	23.41	20.64		25.42	21.08
3230	35.72	45.81		25.99	19.09
3240	47.36	56.05		50.37	20.66
3310	0.60	5.13		0.52	-6.14
3320	6.38	9.97		10.72	4.92
3410	12.43	26.83		14.47	11.42
3420	17.59	21.60		17.38	8.84
3510	-3.85	40.05		6.51	5.09
3520	28.81	38.77		28.13	31.22
3530	-35.33	8.04		8.20	-2.66
3540					
3550	15.98	33.05		11.20	5.70
3560	32.91	46.29		54.87	31.14
3610					
3620	12.62	21.78		9.14	5.25
3690	3.98	15.82		17.57	4.29
3710	10.49	36.28		48.88	40.36
3720					
3810	22.17	26.79		24.83	16.92
3820	45.36	61.98		44.22	52.93
3830	26.54	44.83		66.61	79.76
3840	1.92	2.35		6.52	-3.49
3850					
3900	8.46	16.18		33.42	25.99
TOTAL	4.22	16.16		18.17	5.33

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (NIGERIA) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA ^{a/} (70/74)	OUTPUT ^{a/} (70/74)	6FCF	WAGES (70/74)	NUMBER OF EMPLOYEES (70/74)
3110	21.40	16.57		10.37	4.76
3130	6.44	10.30		20.92	-0.29
3140	7.89	7.83		27.63	6.51
3210	5.31	8.16		21.76	8.67
3220	-21.51	-18.95		-14.85	-18.28
3230	40.42	21.82		11.22	8.11
3240	29.69	11.53		26.26	11.00
3310	13.44	13.44		17.16	3.37
3320	24.82	23.84		25.79	13.41
3410	23.78	13.34		27.88	11.36
3420	21.42	18.28		21.90	5.27
3510	8.73	3.89		20.22	4.11
3520	28.51	23.71		15.08	12.78
3530					
3540	-64.21	-57.84		5.14	7.46
3550	19.97	12.89		16.95	8.44
3560	2.16	18.47		28.48	12.99
3610	9.00	-1.27		-2.67	-11.84
3620	-6.86	1.80		-1.08	-17.47
3690	46.55	38.17		41.00	19.50
3710					
3720	117.58	18.64		4.35	-6.94
3810	29.69	32.23		24.38	9.42
3820	14.71	-1.49		-8.45	-12.77
3830	18.54	18.57		28.72	11.43
3840	109.66	128.69		46.13	36.31
3850					
3900	-0.92	-4.03		16.44	12.03
TOTAL	14.88	14.94		20.18	7.89

^{a/} Percentage values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (RWANDA) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA ^{a/} (70/74)	OUTPUT ^{a/} (70/74)	GFCF (Percentage)	WAGES (70/74)	NUMBER OF EMPLOYEES (70/74)
311A	16.98	7.48		-10.01	-9.85
320	16.74	20.70		5.19	16.81
351A	44.44	77.36		61.04	4.15
362H	12.59	-3.60		16.77	-9.60
3900H	63.09	34.10		29.90	31.49
TOTAL	22.72	13.83		8.19	0.91

^{a/} Products' values
^{b/} Persons employed

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (SOMALIA) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA (70/74)	OUTPUT (70/74)	GFCF (70/74)	WAGES (70/74)	EMPLOYEES (70/74)
3110	-16.66	6.75	50.90	-6.24	1.15
3130	3.82	13.53	39.17	11.96	1.92
3210	66.73	30.20	-6.45	10.71	12.80
323A	43.22	52.76	104.32	29.49	26.47
3320	35.70	20.30	68.05	-1.09	8.27
3420	34.13	41.10	140.12	27.43	20.49
3520	205.41	35.20	-35.08	23.20	4.30
3690	41.19	46.25	299.96	42.47	35.87
3610	81.24	77.55	106.10	81.96	66.07
3900	60.86	50.37	26.16	31.31	43.23
TOTAL	0.45	17.97	91.07	6.87	12.39

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (SOUTH.RHODSA) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVA ^{a/} (70/75)	OUTPUT ^{a/} (70/75)	GFCF (70/75)	WAGES (70/75)	EMPLOYED OR EMPLOYEES (70/75)
3110	9.10	12.70	26.13	14.19	6.17
3130	17.51	17.06	20.67	10.22	13.07
3140	10.37	10.48	23.36	10.30	4.56
3210	20.15	10.93	32.37	13.59	6.29
3220	14.41	12.00	26.57	9.55	3.76
3240	24.08	19.31	10.66	20.34	7.77
3310	4.20	4.10	0.00	5.67	-5.11
3320	13.68	13.51	-15.03	14.70	3.26
3410	13.55	17.00	20.01	13.25	2.07
3420	13.35	13.08	36.14	11.90	5.35
351F	14.30	13.79	11.70	13.10	1.44
3520	13.64	15.03	23.07	14.35	2.06
3550	14.30	15.23	-12.44	12.11	6.01
3560	24.16	25.32	17.61	10.91	0.56
361H	11.72	14.64	12.50	14.30	3.60
3710	26.51	26.27	09.36	25.19	16.29
3720	4.25	5.21	61.96	0.14	3.09
3810					
3820					
3830	14.44	13.77	6.64	16.24	7.09
3840	7.26	9.69	7.01	-0.26	-2.03
385AF	10.04	17.92	19.14	10.10	6.55
TOTAL	15.33	15.22	31.91	14.03	5.02

^{a/} Factor values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (SMAZILAND) - 1970 TO LATEST YEAR (INDICATED)
 (Percentage)

ISIC	MVA ^{a/} (70/73)	OUTPUT ^{a/} (70/73)	GFCF (70/73)	WAGES (70/73)	NUMBER OR EMPLOYEES ^{b/} (70/73)
311A	24.09	17.57	80.90	17.16	0.67
311A	-44.54	-29.30	-35.36	-23.16	-21.65
3900	-1.63	-6.07	23.36	-9.17	-4.08
TOTAL	31.02	20.01	55.90	22.07	6.53

^{a/} Producers' values

^{b/} Persons engaged

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (UNITD.RP.TANZ) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVAE ^{a/} (70/74)	OUTPUT ^{a/} (70/74)	GFCF (70/74)	WAGES (70/74)	INDUSTRY OR EMPLOYEES (70/74)
3110	14.07	13.55	2.96	11.65	1.30
3130	2.71	19.09	14.07	46.21	38.42
3140	14.00	14.54	-6.43	12.22	15.96
3210	12.48	17.84	6.08	23.28	9.59
3220	19.43	22.81	87.57	21.39	10.47
3230	44.35	18.37	12.91	24.11	25.78
3240	21.21	34.74	24.46	29.13	21.38
3310	16.36	12.47	-7.95	15.65	7.22
3320	-19.69	-11.67	-13.32	-2.19	-7.06
3410	46.43	93.43	151.49	97.61	77.29
3420	38.59	26.98	24.81	15.21	9.01
3510	113.41	83.63	188.41	66.09	35.44
3520					
353A					
3550	48.22	94.12	58.88	57.61	52.42
361A					-3.34
3640	68.88	75.56	12.58	59.73	6.26
371A	15.34	16.26	33.41	33.54	51.85
3810	1.74	4.26	54.85	31.20	19.74
3820	47.01	38.83	-23.59	12.70	4.57
3830	32.70	29.12	51.47	28.08	29.81
3840					19.36
3850	57.88	13.29	-36.85	2.42	-2.68
3900					
TOTAL	19.84	22.15	17.02	29.78	9.70

a/ Factor values

Table A5
MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
GROWTH RATES FOR (TUNISIA) - 1970 TO LATEST YEAR(INDICATED)

ISIC	MVA ^a / (70/75)	OUTPUT ^a / (70/75)	(Percentage) GFCF (70/75)	WAGES (70/75)	NUMBER OF EMPLOYEES (70/75)
3110	12.06	12.35	44.00	12.77	3.96
3130	8.99	14.12	25.59	16.50	5.95
3140	16.93	11.95	30.71	15.40	7.20
3210	22.67	10.22	20.11	13.08	3.69
3220	15.12	23.77	60.49	24.12	14.53
3230	22.55	14.96	120.96	14.21	6.80
3240	24.72	15.40	0.64	16.32	3.38
3310	16.59	12.17	50.81	16.27	8.47
3320	15.17	12.09	7.10	15.17	9.58
3410	10.41	10.00	-27.13	14.57	-6.62
3420	10.70	17.65	30.20	16.79	7.34
351A	18.16	25.99	43.8A	20.64	9.27
3530	-0.75	8.13	40.26	12.00	1.14
3540					
3550	6.01	16.40	45.41	24.94	20.80
3560	27.79	33.92	55.99	29.88	21.59
3610	15.02	12.01	60.04	19.87	4.72
3620	5.51	7.94	184.08	25.29	12.24
3690	15.44	16.60	40.17	20.07	6.57
3710	19.43	11.44	20.73	15.29	4.03
3720	-0.89	5.44	13.00	19.01	8.74
381A	20.39	23.18	27.73	17.65	9.00
3830	18.69	16.09	25.01	15.38	6.10
3840	35.30	32.56	31.76	27.73	11.62
3850					
3900	5.92	14.92	10.35	12.55	7.81
TOTAL	15.40	16.07	25.46	17.33	6.90

^a Producers' values

Table A5
 MANUFACTURING VALUE ADDED, OUTPUT, CAPITAL FORMATION, WAGES AND EMPLOYMENT
 GROWTH RATES FOR (ZAMBIA) - 1970 TO LATEST YEAR (INDICATED)

ISIC	MVA a/ (70/73)	OUTPUT a/ (70/73)	GFCF (70/73)	WAGES (70/73)	NUMBER OF EMPLOYEES (70/73)
3110	4.23	14.64	33.34	13.89	9.84
313A	12.85	12.18	-53.13	5.95	3.59
3210	58.22	32.64		10.38	0.63
3220	5.63	10.06	-2.91	11.09	2.12
323A	16.83	14.47	30.06	108.65	49.98
3310	7.06	40.95	5.73	10.06	-12.74
3320	2.02	10.06	34.89	10.65	7.93
3410	17.53	16.96	-18.98	13.99	3.81
3420	25.81	22.39	-17.96	4.48	-0.40
3510	120.59	17.57	-67.65	9.06	1.86
3520	32.19	17.17	0.55	10.69	2.60
353A	101.69	71.00	76.52	147.40	105.08
3550	30.48	10.06	7.24	6.66	6.81
3560	50.30	25.99	25.37	21.14	15.31
3620					
369F	-1.68	0.00	-0.63	5.55	2.21
3710					
3720	18.39	21.64	2.34	23.86	9.80
3810	16.84	14.47	7.38	27.30	13.30
3820	45.69	41.50	-29.65	31.94	16.04
3830					
384A			51.17		
3840					
3850	30.19	0.00	-45.95	2.70	1.38
3900					
TOTAL	16.31	17.07	2.17	14.75	5.63

a/ "a" indicates values

Table A6. Manufacturing trade statistics, by SITC group and by country, 1970 to mid-1970s

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 197C values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s ^{b/} (in per cent)		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)	
	EXPONENTS		EXPORTS	IMPORTS		
	EXPONENTS	IMPORTS	EXPORTS	IMPORTS		
ALGERIA 1970 and 1976	5	5.8 (20.8)	10.2 (6.8)	9.8	9.7	-0.930 (-0.930)
	6	68.3 (75.2)	38.8 (31.5)	-9.8	13.6	-0.798 (-0.945)
	7	25.9 (4.0)	46.0 (58.1)	-34.8	22.2	-0.931 (-0.998)
	8	-	4.9 (3.6)	-	11.8	-1.000 (-1.000)
	5-8	63.435	995.403	-11.2	17.6	-0.880 (-0.977)
ANGOLA 1970 and 1974	5	-	13.6 (18.4)	-	12.3	-1.000 (-1.000)
	6	95.7 (93.0)	27.5 (31.2)	-3.4	7.5	+0.042 (-0.170)
	7	2.5 (6.6)	45.4 (43.8)	24.2	3.2	-0.996 (-0.930)
	8	1.8 (0.3)	13.4 (6.7)	-36.9	-12.9	-0.921 (-0.978)
	5-8	90.162	288.179	-2.7	4.2	-0.523 (-0.616)
BENIN 1970 and 1974	5	8.1 (1.4)	11.7 (12.6)	-29.0	15.9	-0.905 (-0.993)
	6	59.0 (60.0)	50.1 (39.9)	10.1	7.5	-0.845 (-0.830)
	7	25.8 (30.9)	27.4 (36.7)	14.6	22.3	-0.874 (-0.901)
	8	7.0 (7.6)	10.8 (10.7)	11.8	13.6	-0.911 (-0.916)
	5-8	3.488	48.256	9.3	13.7	-0.865 (-0.884)
CAMEROON, U. Rep. 1970 and 1976	5	2.6 (5.0)	14.0 (15.9)	16.3	9.5	-0.927 (-0.896)
	6	67.4 (72.9)	36.6 (30.0)	5.2	3.8	-0.444 (-0.410)
	7	15.9 (9.2)	39.2 (45.4)	-5.2	9.9	-0.843 (-0.932)
	8	14.1 (12.8)	10.2 (8.7)	2.3	4.4	-0.555 (-0.593)
	5-8	41.071	196.620	3.9	7.2	-0.654 (-0.706)
CENTRAL AFR. EMPIRE 1970 and 1976	5	4.2 (1.3)	12.0 (12.8)	-26.3	1.8	-0.685 (-0.948)
	6	93.9 (98.7)	32.2 (34.1)	-10.2	1.7	+0.217 (-0.148)
	7	1.4 (-)	44.8 (42.2)	-	-0.3	-0.968 (-1.000)
	8	0.5 (-)	11.0 (10.8)	-	0.4	-0.950 (-1.000)
	5-8	13.544	25.315	-10.9	0.7	-0.303 (-0.592)

Table A6 (cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s (in per cent)		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)		
	EXPORTS		IMPORTS				
	EXPORTS	IMPORTS	EXPORTS	IMPORTS			
CHAD 1970 and 1974	5	-	14.6	(17.7)	6.5	-1.000	(-0.942)
	6	24.1	33.4	(31.5)	32.6	-0.979	(-0.937)
	7	59.1	39.3	(41.1)	-8.0	-0.957	(-0.972)
	8	16.8	12.7	(9.7)	-	-0.962	(-1.000)
	5-8	477	32,948		11.7	1.5	-0.971	(-0.958)
CONGO 1970 and 1976	5	31.9	11.4	(9.7)	24.9	-0.277	(+0.169)
	6	63.5	33.5	(32.5)	-18.6	-0.447	(-0.880)
	7	4.6	43.0	(45.6)	10.2	-0.958	(-0.873)
	8	-	12.2	(12.2)	-	-1.000	(-1.000)
	5-8	8,882	44,031		8.9	10.2	-0.664	(-0.684)
EGYPT 1970 and 1977	5	7.3	22.8	(15.7)	13.4	-0.743	(-0.792)
	6	74.0	27.5	(27.3)	4.5	+0.110	(-0.445)
	7	2.9	46.7	(51.8)	-11.8	-0.944	(-0.995)
	8	15.8	3.0	(5.2)	7.7	+0.422	(-0.307)
	5-8	206,951	447,049		5.6	23.8	-0.367	(-0.736)
ETHIOPIA 1970 and 1976	5	40.4	8.6	(19.9)	-23.6	-0.897	(-0.992)
	6	59.6	31.7	(26.1)	-3.4	-0.958	(-0.965)
	7	-	43.4	(44.0)	-	-1.000	(-0.949)
	8	-	10.5	(9.9)	-	-1.000	(-0.902)
	5-8	1,595	138,530		12.2	3.3	-0.977	(-0.963)
GABON 1970 and 1976	5	-	8.5	(8.1)	-	-1.000	(-1.000)
	6	91.6	34.3	(39.9)	-4.4	-0.392	(-0.871)
	7	8.4	47.1	(43.1)	-	-0.943	(-1.000)
	8	-	10.1	(8.9)	-	-1.000	(-1.000)
	5-8	10,776	65,792		-5.8	26.9	-0.719	(-0.946)

Table A6(cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s (in per cent) a/		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)			
	EXPORTS		IMPORTS					
	EXPORTS	IMPORTS	EXPORTS	IMPORTS				
GAMBIA 1970 and 1975	5	-	10.5	(14.7)	-	18.6	-1.000	(-1.000)
	6	-	54.8	(48.6)	-	8.3	-1.000	(-1.000)
	7	-	22.5	(21.4)	-	9.8	-1.000	(-1.000)
	8	-	12.2	(15.3)	-	16.0	-1.000	(-1.000)
	5-8	-	13,409		-	10.9	-1.000	(-1.000)
GHANA 1970 and 1975	5	-	22.8	(21.7)	-	4.7	-1.000	(-1.000)
	6	96.9	34.5	(36.5)	-3.3	6.9	-0.504	(-0.667)
	7	3.1	37.0	(36.7)	-0.5	5.5	-0.981	(-0.986)
	8	-	5.6	(5.1)	-	3.7	-1.000	(-1.000)
	5-8	33,590	286,163		-3.2	5.7	-0.790	(-0.859)
IVORY COAST 1970 and 1977	5	10.1	9.7	(10.5)	24.0	16.4	-0.813	(-0.723)
	6	66.3	38.1	(31.2)	15.3	12.0	-0.806	(-0.648)
	7	16.7	42.3	(50.2)	23.1	18.0	-0.924	(-0.900)
	8	7.0	9.8	(8.1)	25.7	12.0	-0.868	(-0.725)
	5-8	30,062	300,662		18.7	15.2	-0.818	(-0.781)
KENYA 1970 and 1977	5	39.5	13.3	(17.4)	12.4	13.0	-0.616	(-0.627)
	6	47.6	32.9	(26.3)	19.7	5.3	-0.793	(-0.558)
	7	2.0	43.7	(48.0)	36.1	10.2	-0.993	(-0.968)
	8	10.9	10.1	(8.3)	13.9	5.7	-0.842	(-0.748)
	5-8	24,953	312,404		17.1	8.7	-0.852	(-0.763)
LIBERIA 1970 and 1975	5	27.3	8.8	(9.8)	7.2	11.2	-0.781	(-0.814)
	6	24.2	34.3	(31.9)	-23.5	7.2	-0.946	(-0.990)
	7	32.4	45.4	(48.3)	-3.2	10.1	-0.945	(-0.971)
	8	16.2	11.5	(10.0)	-30.4	5.8	-0.895	(-0.986)
	5-8	4,344	110,105		-5.5	8.8	-0.924	(-0.962)

Table A6 (cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s (in per cent)		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)		
	EXPORTS		IMPORTS				
	EXPORTS	IMPORTS	EXPORTS	IMPORTS			
LIBYA, A.J. 1970 and 1976	5	-	8.0	(4.8)	16.6	-1.000	(-1.000)
	6	-	29.5	(35.1)	-	-1.000	(-1.000)
	7	-	40.9	(42.3)	-	-1.000	(-1.000)
	8	-	21.6	(17.7)	-	-1.000	(-1.000)
	5-8	-	401.655		-	-1.000	(-1.000)
MADAGASCAR 1970 and 1975	5	31.1	16.4	(20.4)	-14.2	-0.732	(-0.914)
	6	29.1	34.3	(35.2)	16.0	-0.871	(-0.801)
	7	28.4	38.5	(36.8)	-27.4	-0.887	(-0.980)
	8	11.4	10.8	(7.6)	-16.1	-0.841	(-0.923)
	5-8	10.852	133.052		-2.9	-0.849	(-0.896)
MALAWI 1970 and 1976	5	4.7	11.6	(15.5)	13.1	-0.927	(-0.927)
	6	17.6	35.7	(35.6)	2.8	-0.912	(-0.933)
	7	62.4	41.7	(41.0)	-32.5	-0.756	(-0.983)
	8	15.2	10.9	(7.9)	6.7	-0.771	(-0.712)
	5-8	5.739	61.672		-8.4	-0.830	(-0.932)
MALI 1970 and 1976	5	4.0	16.2	(18.6)	-36.4	-0.935	(-0.998)
	6	79.5	36.2	(29.1)	-26.8	-0.537	(-0.955)
	7	1.5	37.8	(45.0)	31.7	-0.989	(-0.981)
	8	15.0	9.8	(7.3)	-29.3	-0.653	(-0.972)
	5-8	3.420	24.936		-22.2	-0.759	(-0.976)
MAURITANIA 1970 and 1975	5	-	9.5	(6.2)	-	-1.000	(-1.000)
	6	57.4	27.9	(27.0)	22.3	-0.923	(-0.884)
	7	42.6	55.9	(67.8)	-35.6	-0.971	(-0.998)
	8	-	6.7	(9.0)	-	-1.000	(-0.957)
	5-8	739	37.878		12.5	-0.962	(-0.963)

Table A6(cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s ^a / (in per cent)		1970 (and mid-1970s) trade ratio $((x-m)/(x+m))$ - varies from +1 (complete export dominance to -1 (complete import dominance)		
	EXPORTS		IMPORTS				
	EXPORTS	IMPORTS	EXPORTS	IMPORTS			
MAURITIUS 1970 and 1975	5	-	20.8	(14.6)	-	17.3	(-1.000)
	6	55.6	41.6	(39.7)	15.1	24.6	(-0.886)
	7	21.5	24.3	(34.9)	81.2	35.2	(-0.923)
	8	22.9	13.3	(10.8)	107.4	20.5	(+0.856)
	5-8	1,868	41,236		69.7	25.8	(-0.663)
MOROCCO 1970 and 1976	5	20.6	13.0	(11.5)	15.1	12.6	(-0.692)
	6	55.1	33.8	(29.1)	12.8	12.0	(-0.684)
	7	4.7	48.4	(54.9)	-2.6	17.2	(-0.978)
	8	19.6	4.8	(4.5)	32.3	13.6	(+0.360)
	5-8	31,427	446,749		18.0	14.8	(-0.761)
NIGER 1970 and 1975	5	-	9.4	(8.2)	-	-4.5	(-1.000)
	6	43.8	49.0	(37.0)	38.4	-7.3	(-0.965)
	7	50.7	35.6	(48.5)	49.8	4.3	(-0.945)
	8	5.5	6.0	(6.3)	50.8	-1.1	(-0.965)
	5-8	854	43,350		45.3	-2.0	(-0.753)
NIGERIA 1970 and 1976	5	-	13.9	(9.1)	-	21.6	(-1.000)
	6	100.0	35.5	(27.2)	-10.3	24.8	(-0.953)
	7	-	44.4	(54.7)	-	35.1	(-1.000)
	8	-	6.2	(8.9)	-	38.6	(-1.000)
	5-8	54,684	891,324		-10.3	30.5	(-0.987)
RWANDA 1970 and 1976	5	-	11.1	(6.8)	-	3.7	(-1.000)
	6	-	51.8	(44.8)	-	10.0	(-1.000)
	7	-	26.3	(38.5)	-	20.1	(-1.000)
	8	-	10.7	(9.9)	-	11.2	(-1.000)
	5-8	-	19,443		-	12.7	(-1.000)

Table A6 (cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s (in per cent)		1970 (and mid-1970s) trade ratio $((x - m)/(x + m))$ - varies from +1 (complete export dominance to -1 (complete import dominance)	
	EXPORTS		IMPORTS			
	EXPORTS	IMPORTS	EXPORTS	IMPORTS		
SENEGAL 1970 and 1975	5	11.8 (15.0)	13.5 (17.0)	34.6	29.7	-0.628 (-0.568)
	6	50.1 (67.5)	37.5 (67.6)	21.1	23.8	-0.484 (-0.525)
	7	21.5 (32.7)	39.9 (67.1)	39.6	22.0	-0.754 (-0.569)
	8	16.6 (14.8)	9.1 (8.2)	25.6	21.4	-0.356 (-0.279)
	5-8	31,069	119,308	28.4	23.8	-0.587 (-0.524)
SIERRA LEONE 1970 and 1974	5	- (-)	9.3 (10.2)	-	6.5	-1.000 (-1.000)
	6	100.0 (100.0)	39.5 (41.2)	-3.6	5.2	+0.324 (+0.158)
	7	- (-)	37.9 (34.2)	-	1.5	-1.000 (-1.000)
	8	- (-)	13.3 (14.4)	-	6.2	-1.000 (-1.000)
	5-8	61,148	79,098	-3.6	4.1	-0.128 (-0.277)
SOMALIA 1970 and 1975	5	- (-)	12.5 (10.9)	-	20.9	-1.000 (-1.000)
	6	2.8 (1.3)	43.9 (34.6)	-11.0	18.4	-0.992 (-0.998)
	7	83.0 (86.2)	30.7 (47.8)	4.9	35.7	-0.707 (-0.910)
	8	14.2 (12.6)	12.9 (6.7)	1.5	9.0	-0.869 (-0.906)
	5-8	1,544	24,284	4.1	24.2	-0.880 (-0.949)
SUDAN 1970 and 1975	5	- (-)	15.7 (16.7)	-	22.2	-1.000 (-1.000)
	6	- (-)	39.0 (39.9)	-	21.3	-1.000 (-1.000)
	7	100.0 (100.0)	39.6 (40.0)	23.6	21.0	-0.978 (-0.975)
	8	- (-)	5.7 (3.4)	-	9.1	-1.000 (-1.000)
	5-8	935	208,668	23.6	20.7	-0.991 (-0.990)
TANZANIA, U. Rep. 1970 and 1976	5	5.9 (11.7)	10.9 (14.6)	9.3	6.5	-0.867 (-0.847)
	6	94.1 (88.3)	32.6 (31.0)	-3.6	0.7	-0.447 (-0.546)
	7	- (-)	48.8 (50.0)	-	1.9	-1.000 (-1.000)
	8	- (-)	7.8 (4.4)	-	-7.8	-1.000 (-1.000)
	5-8	29,632	224,419	-2.6	1.5	-0.767 (-0.783)

Table A6 (cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s (in per cent) a/		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)				
	EXPORTS		EXPORTS	IMPORTS					
	EXPORTS	IMPORTS							
TOGO 1970 and 1975	5	10.3	(6.4)	9.8	(12.2)	1.8	21.8	-0.864	(-0.942)
	6	51.8	(74.3)	49.7	(44.1)	20.6	13.8	-0.865	(-0.824)
	7	36.1	(11.2)	32.1	(35.1)	-11.2	18.6	-0.856	(-0.964)
	8	1.8	(8.1)	8.4	(8.6)	51.8	17.2	-0.971	(-0.898)
	5-8	3,091		44,669		12.2	16.6	-0.871	(-0.892)
TUNISIA 1970 and 1976	5	42.6	(38.0)	12.4	(9.9)	20.1	19.4	-0.118	(-0.108)
	6	50.1	(20.4)	36.4	(31.9)	5.4	21.3	-0.525	(-0.763)
	7	1.9	(4.6)	44.0	(49.1)	42.1	26.3	-0.981	(-0.961)
	8	5.4	(37.0)	7.2	(9.1)	68.7	29.0	-0.709	(-0.079)
	5-8	41,087		181,598		22.5	24.0	-0.631	(-0.653)
UGANDA 1970 and 1976	5	-	(-)	13.9	(15.2)	-	-12.8	-1.000	(-1.000)
	6	100.0	(100.0)	34.8	(27.4)	-20.7	-17.4	-0.265	(-0.375)
	7	-	(-)	39.7	(49.1)	-	-10.9	-1.000	(-1.000)
	8	-	(-)	11.6	(8.3)	-	-18.7	-1.000	(-1.000)
	5-8	21,183		104,918		-20.7	-14.0	-0.664	(-0.779)
UPPER VOLTA 1970 and 1975	5	-	(-)	11.8	(19.2)	-	32.1	-1.000	(-1.000)
	6	61.5	(68.1)	38.6	(34.5)	22.9	17.2	-0.918	(-0.898)
	7	26.7	(16.9)	42.0	(38.1)	9.8	17.5	-0.967	(-0.976)
	8	11.9	(15.0)	7.7	(8.2)	26.3	21.4	-0.920	(-0.904)
	5-8	810		30,285		20.4	19.8	-0.948	(-0.947)
ZAIRE 1970 and 1975	5	-	(-)	11.3	(14.9)	-	9.6	-1.000	(-1.000)
	6	100.0	(99.1)	33.5	(32.2)	-5.2	2.9	+0.633	(+0.494)
	7	-	(0.9)	45.4	(44.2)	-	3.2	-1.000	(-0.963)
	8	-	(-)	9.8	(8.7)	-	1.4	-1.000	(-1.000)
	5-8	599,369		402,044		-5.1	3.7	+0.197	(-0.022)

Table A6 (cont.)

Country (with period covered) and SITC group	1970 (and mid-1970s) shares (in per cent) of SITC group in total manufactures trade (SITC 5-8) and 1970 values of total manufactures trade (in \$ 000)		Adjusted average annual trade growth rates, 1970 to mid-1970s ^{a/} (in per cent)		1970 (and mid-1970s) trade ratio $((x - m)/(x + m)) -$ varies from +1 (complete export dominance to -1 (complete import dominance)
	EXPORTS		EXPORTS	IMPORTS	
	1970	1976	1970-1976	1970-1976	
ZAMBIA	-	(-)	-	19.6	-1.000
1970 and 1975	100.0	(100.0)	-9.6	9.8	+0.807
	-	(-)	-	4.5	-1.000
	-	(-)	-	-4.8	-1.000
5-8	982,467	368,285	-9.6	7.1	+0.455

a/ SITC 5 - chemicals; 6 - manufactures classified chiefly by material; 7 - machinery and transport equipment; 8 - miscellaneous manufactures; 5-8 total manufactures.

b/ Based on mid-1970s current values corrected to 1970 values using a world trade inflation index (Source: Monthly Bulletin of Statistics June 1978). Deflators used were: SITC 5 - 1.49(1974), 1.34(1975), 1.58(1976-77); SITC 6 - 1.42(1974), 1.31(1975), 1.51(1976-77); SITC 7 - 1.44(1974), 1.43(1975), 1.62(1976-77).

Source: UN Yearbook of International Trade Statistics 1972-73, 1974, 1975 and 1976 and Monthly Bulletin of Statistics June 1978.

Note on tables A4 and A5

The information in these tables consists of UNIDO computer print-outs based on data supplied by the United Nations Statistical Office. Caps in the tables indicate non-availability of information.

A complete description of the ISIC code is contained in UNSO Statistical Papers, series M, no.4, Rev.2, International Standard Industrial Classification of all Economic Activities (United Nations, New York, 1968).

A brief description of 4-digit SITC items included in tables A4 and A5 follows:

- 3110 - food manufacturing
- 3130 - beverage industries
- 3140 - tobacco manufactures
- 3210 - textiles
- 3220 - wearing apparel, except footwear
- 3230 - leather and products of leather, leather substitutes and fur, except footwear and wearing apparel
- 3240 - footwear, except vulcanised or moulded rubber or plastic footwear
- 3310 - wood and wood and cork products, except furniture
- 3320 - furniture and fixtures, except primarily of metal
- 3410 - paper and paper products
- 3420 - printing, publishing and allied industries
- 3510 - industrial chemicals
- 3520 - other chemical products
- 3530 - petroleum refineries
- 3540 - miscellaneous products of petroleum and coal
- 3550 - rubber products
- 3560 - plastic products not elsewhere classified
- 3610 - pottery, china and earthenware
- 3620 - glass and glass products
- 3690 - other non-metallic mineral products
- 3710 - iron and steel basic industries

- 3720 - non-ferrous metal basic industries
- 3810 - fabricated metal products, except machinery and equipment
- 3820 - machinery, except electrical
- 3830 - electrical machinery apparatus, appliances and supplies
- 3840 - transport equipment
- 3850 - professional and scientific and measuring and controlling equipment not elsewhere classified and photographic and optical goods
- 3900 - other manufactured products

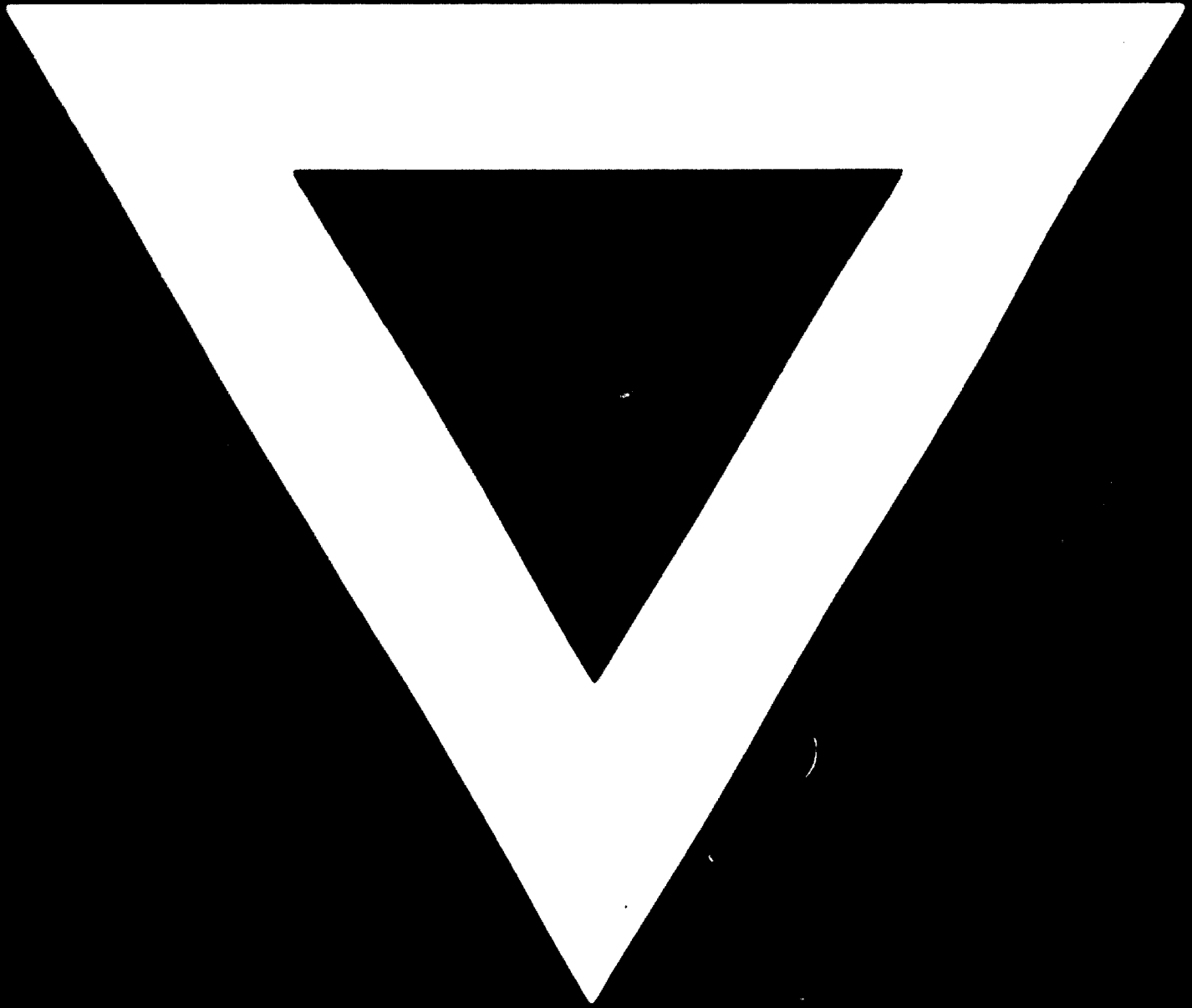
In addition to the above, some items listed in the tables are followed by one or two letters. These indicate combined categories. The combinations are given below:

- 311A - 3110, 3130
- 313A - 3130, 3140
- 321A - 3210, 3220
- 321C - 3210, 3220, 3230, 3240
- 322A - 3220, 3230
- 322B - 3220, 3230, 3240
- 322F - 3220, 3240
- 323A - 3230, 3240
- 331A - 3310, 3320
- 3310A - 3310, 3320, 3410, 3420
- 341A - 3410, 3420
- 342F - 3420, 3410
- 351A - 3510, 3520
- 351E - 3510, 3520, 3530, 3540, 3550, 3560
- 351F - 3510, 3530
- 351Q - 3510, 3520, 3550, 3560
- 353A - 3530, 3540
- 361A - 3610, 3620
- 361B - 3610, 3620, 3690
- 362A - 3620, 3690
- 369F - 3690, 3610
- 371A - 3710, 3720
- 3710A - 3710, 3720, 3810, 3820, 3830, 3840

371B - 3710, 3720, 3810, 3820, 3830
381A - 3810, 3820
382A - 3820, 3830
382B - 3820, 3830, 3840
384A - 3840, 3850
385A - 3850, 3900
385AF - 3850, 3900, 3230, 3540
3900A - 3900, 3560
3900B - 3900, 3140, 3230, 3310, 3410
3900W - 3900, 3220, 3240, 3420
3900X - 3900, 3310, 3320, 3420, 3520, 3690

We report that some of the papers in the microfiche copy of the report may not be up to the proper legibility standards even though the best possible copy was used for preparing the microfiche.

G - 625



81.10.20