

APPENDIX A.

AGRICULTURE

Note on the construction of an annual index of purchases of inputs outside agriculture

N+P₂O₅+K₂O content of mineral fertilizers and imports of machinery provide the most complete homogeneous annual indicators available. Unfortunately, the series for the content of mineral fertilizers starts in 1892, and it had to be extrapolated backwards to 1870 with a series of mineral fertilizer imports. Missing values for 1935-1939 and 1945-1950 were log-linearly interpolated from available data for 1935, 1945 and 1950. For 1940-1944 it was assumed the same value as for 1945. The available series for machinery imports covers 1879-1935. A machinery stock series was built up assuming an average life of 10 years. Fortunately, the small share of agricultural final output represented by purchases outside agriculture imply that the biases introduced by using these proxies are not very large.

For the years 1879-1935 yearly fluctuations for purchases outside agriculture were proxied by the supply of N+P₂O₅+K₂O in mineral fertilizers and the stock of agricultural machinery, and its geometric mean was linked to the 1913 benchmark (Vandellós (1925) estimate of 4.3 per cent of final output) and extrapolated backwards to 1870 with a series for imports of mineral fertilizers while for the years 1850-1870 the value for 1870 was assumed to remain constant. For 1936-1964, the 1964 National Accounts' benchmark (21.8 per cent of final output) was linked to a series of N+P₂O₅+K₂O content of mineral fertilizers.

Sources for N+P₂O₅+K₂O content of mineral fertilizers were Gallego (1987) and Barciela (1989) and imports of machinery derive from GEHR (1989).

Table A.1

Ratios of Final Output to Total Production for Main Crops

	Up to 1929	1929-1950s	1960-1964
Wheat	0.860	0.860	0.929
Barley	0.344	0.255	0.255
Oats	0.200	0.200	0.200
Rye	0.774	0.722	0.464
Maize	0.570	0.470 ^a	0.155
Rice	0.990	0.990	0.992
Chickpeas	0.870	0.870	0.874
Broad Beans	0.430	0.430	0.347
Beans	0.890	0.890	0.852
Potatoes	0.765	0.765	0.896
Sugar Beet	0.970	0.970	0.970

Note: ^a 0.37 in the 1950's.

Sources: Simpson (1989); Federico (1990); M^o de Agricultura (1979b).

Table A.2

Conversion Coefficients Applied to Livestock Numbers to Derive Meat, Wool and Milk Output, 1891-1924

(Kilograms per livestock unit^a)

Meat (dressed carcass)

Cattle	37.090
Sheep	3.675
Goat	3.626
Pigs	51.550
Horse	6.360

Wool (greasy^b)

1.660

Milk (less animal consumption)

(litres per livestock unit^c)

Cow	363
Sheep	3.66
Goat	63.70

Notes: ^a kgs. per unit of total livestock, not just slaughtered. For sheep and pigs Simpson (1989) and Comin (1985a) coefficients were applied. Simpson (1989) following the 1929 Census assumes that 37.5% of sheep and 59.6% of pigs were slaughtered annually, and Comin (1985a) provides dressed carcass weight ("en canal"), 9.8 kg per sheep and 86.5 kg per pig. For cattle and goats total dressed carcass weight/livestock number ratios for 1925-1935, and 1950 ratio

for horsemeat, were accepted from M^o de Agricultura (1979a). Estimates derived from Simpson (1989) who assumes that 28% and 38.3% of cattle and goats were sacrificed each year and Comín (1985a) who provides an average dressed carcass weight of 137.4 kg and 9.8 kg, respectively, produce slightly higher coefficients than those adopted.

b Simpson (1989); Comín (1985a); Carreras (1983); Prados de la Escosura (1983) provide this figure. Alternatively, Parejo (1989) suggests 2 kg.

c litres per unit of total livestock, not just females. 1925-1935 average milk/livestock unit ratios were accepted from M^o de Agricultura (1979a). Simpson (1989) estimates for 1929/33 are very closed. For cows he accepted that females represented 75% of cattle, from which 45% were milked, yielding 1,146 litres per head per year. For sheep the proportions were 62.7%, 23.4% and 25.8, respectively. For goat, 65.2%, 60%, 175, respectively.

Sources: Carreras (1983); Comín (1985a); Simpson (1989); M^o de Agricultura (1979a).

Table A.3

Coverage of the Sample of Products Included in the Annual Index for each Agricultural Group at Benchmarks (current prices) (percentages)

	c.1890	c.1900	1909/13	1929/33	1950	1960/64
Cereals ^a	99.05	99.25	99.50	99.38	99.83	99.79
Pulses ^b	94.22	93.80	92.87	90.18	90.91	87.61
Vegetables ^c	-	35.83	41.79	52.23	51.40	43.67
Raw Materials ^d	41.70	70.30	70.60	81.91	84.53	94.90
Fruits & nuts ^e	44.63	48.30	61.20	68.14	69.15	69.34
Wine (must)	100.00	100.00	100.00	100.00	100.00	100.00
Olive oil ^f	98.44	98.42	95.34	98.03	79.88	95.30
Meat ^g	92.87	92.87	92.87	92.89	98.98	94.70
Poultry & eggs	-	-	100.00	100.00	100.00	100.00
Milk & honey ^h	98.30	98.30	98.32	98.30	98.28	98.40
TOTAL	77.48	79.88	86.40	86.13	86.50	85.14

Notes: ^a wheat, barley, rye, oats, maize, rice.

^b chickpeas, broad beans, beans.

^c potatoes, onions.

^d sugar beet, sugar cane, wool, silk cocoons, cotton (since 1950), tobacco (since 1950).

^e almonds, oranges, carobs, apples, chestnuts, lemons, bananas (only almonds and oranges before 1910).

^f olive oil, no olives and sub-products included.

^g beef & veal, lamb & mouton, goat, pork, horsemeat (since 1950).

^h milk only.

Table A.4 INDICES OF AGRICULTURAL FINAL OUTPUT AND GROSS VALUE ADDED, 1850-1964 (1958=100)

	A	B	C
1		Agricultural	Agricultural
2		Final Output	Gross Value
3			Added
4			
5			
6		IPA58	IPAVA58
7	1850	34,69	40,74
8	1851	35,24	41,38
9	1852	34,33	40,31
10	1853	37,36	43,87
11	1854	37,54	44,09
12	1855	38,90	45,69
13	1856	37,71	44,28
14	1857	38,29	44,96
15	1858	40,19	47,19
16	1859	38,46	45,16
17	1860	40,21	47,21
18	1861	39,90	46,85
19	1862	41,33	48,53
20	1863	42,01	49,33
21	1864	43,00	50,49
22	1865	44,18	51,88
23	1866	43,65	51,26
24	1867	38,37	45,06
25	1868	40,21	47,22
26	1869	36,80	43,22
27	1870	41,87	49,16
28	1871	46,37	54,42
29	1872	58,56	68,85
30	1873	48,07	56,38
31	1874	48,31	56,70
32	1875	46,10	54,07
33	1876	54,73	64,07
34	1877	51,61	60,55
35	1878	45,57	53,52
36	1879	50,06	58,72
37	1880	52,18	61,15
38	1881	51,80	60,73
39	1882	54,94	64,38
40	1883	57,83	67,69
41	1884	58,85	68,82
42	1885	57,81	67,63
43	1886	56,00	65,46
44	1887	54,32	63,45
45	1888	54,28	63,39
46	1889	52,42	61,21
47	1890	49,12	57,30
48	1891	50,18	58,47
49	1892	57,86	67,53
50	1893	52,02	60,75
51	1894	54,59	63,81
52	1895	54,22	63,37
53	1896	44,57	52,17
54	1897	55,04	64,31
55	1898	58,95	68,87
56	1899	55,53	64,80
57	1900	56,34	65,78
58	1901	67,13	78,40
59	1902	63,40	73,99
60	1903	62,59	72,87
61	1904	60,30	70,03
62	1905	60,91	70,60
63	1906	66,76	77,09
64	1907	66,76	76,77
65	1908	68,12	78,01
66	1909	73,13	83,48
67	1910	62,75	71,14
68	1911	79,51	89,67
69	1912	67,66	76,34
70	1913	69,27	78,00

Table A.4 INDICES OF AGRICULTURAL FINAL OUTPUT AND GROSS VALUE ADDED, 1850-1964 (1958=100)

	A	B	C
71		Agricultural	Agricultural
72		Final Output	Gross Value
73			Added
74			
75			
76		IPA58	IPAVA58
77	1914	65,17	73,49
78	1915	71,75	81,12
79	1916	76,04	85,41
80	1917	76,49	85,90
81	1918	75,42	86,46
82	1919	77,24	87,78
83	1920	82,07	90,65
84	1921	82,50	89,65
85	1922	84,45	92,54
86	1923	78,41	84,95
87	1924	80,67	86,51
88	1925	89,31	95,64
89	1926	82,83	87,78
90	1927	96,61	101,28
91	1928	84,21	86,97
92	1929	99,62	102,53
93	1930	87,26	89,98
94	1931	92,68	96,78
95	1932	102,50	106,80
96	1933	98,90	103,40
97	1934	102,81	107,62
98	1935	101,25	106,08
99	1936	85,37	94,30
100	1937	87,27	96,86
101	1938	82,51	91,97
102	1939	75,35	84,32
103	1940	75,78	86,38
104	1941	70,56	80,43
105	1942	72,63	82,79
106	1943	75,28	85,81
107	1944	81,88	93,34
108	1945	65,01	74,11
109	1946	74,25	84,15
110	1947	74,98	84,40
111	1948	71,33	79,64
112	1949	73,12	80,85
113	1950	74,33	81,24
114	1951	92,87	101,78
115	1952	93,33	100,25
116	1953	88,82	95,64
117	1954	95,38	100,97
118	1955	92,31	96,47
119	1956	93,90	93,75
120	1957	98,17	102,00
121	1958	100,00	100,00
122	1959	106,69	106,53
123	1960	106,14	106,60
124	1961	114,73	112,33
125	1962	114,82	109,88
126	1963	137,07	131,83
127	1964	125,15	118,79

INDUSTRY

Table A.5

Manufacturing Value Added Shares by Main Sectors, 1913-1958

	1913	1929	1958
Chemical	3.38	5.68	10.24
Cement	2.93	1.18	4.42
Metal, basic	6.72	7.05	6.23
Metal, transformation	14.16	20.24	24.89
Timber & furniture	7.49	10.50	7.11
Paper & printing	4.46	3.22	4.37
Food, beverages	41.58	34.50	16.97
Textile & clothing	17.64	16.36	21.14
Leather	1.59	1.15	2.30
Rubber	0.05	0.12	2.33

Sources: Prados de la Escosura (forthcoming) and Carreras (1983).

SERVICES

Table A.6

Gross Value Added in Services: Sectoral Shares, 1870-1958

	1870	1890	1913	1929	1958
Education & Health	2.17	1.44	1.90	2.57	5.38
Public Administration	12.10	14.47	16.09	14.21	12.59
Commerce	32.56	37.12	38.78	35.66	33.45
Rent of Dwellings	12.96	9.12	9.40	7.46	7.57
Banking & Insurance	0.33	0.99	1.38	3.18	8.63
Transport & Communications	6.45	11.99	14.05	19.21	16.00
Liberal Professions	15.24	10.45	11.01	11.95	12.23
Domestic Service	18.19	14.33	7.39	5.76	4.15

Sources: Prados de la Escosura (forthcoming).

Table B.1 AGRICULTURE, FORESTRY AND FISHING INDICES, 1850-1964 (1958=100)

	A	C	D	E	F
1		Agriculture	Forestry	Fishing	Agriculture,
2					Forestry and
3					Fishing
4					
5					
6		IPAVA58	SILVA58	IPESCA58	AGY58
7	1850	40,74		4,29	37,25
8	1851	41,38		4,39	37,84
9	1852	40,31		4,49	36,87
10	1853	43,87		4,60	40,12
11	1854	44,09		4,70	40,32
12	1855	45,69		4,81	41,78
13	1856	44,28		4,92	40,50
14	1857	44,96		5,04	41,12
15	1858	47,19		5,15	43,16
16	1859	45,16		5,27	41,32
17	1860	47,21		5,40	43,19
18	1861	46,85		5,52	42,86
19	1862	48,53		5,65	44,40
20	1863	49,33		5,78	45,13
21	1864	50,49		5,92	46,19
22	1865	51,88		6,05	47,46
23	1866	51,26		6,19	46,90
24	1867	45,06		6,34	41,25
25	1868	47,22		6,49	43,23
26	1869	43,22		6,64	39,58
27	1870	49,16		6,79	45,00
28	1871	54,42		6,95	49,80
29	1872	68,85		7,11	62,95
30	1873	56,38		7,28	51,59
31	1874	56,70		7,44	51,89
32	1875	54,07		7,62	49,50
33	1876	64,07		7,79	58,62
34	1877	60,55		7,98	55,41
35	1878	53,52		10,31	49,08
36	1879	58,72		8,35	53,76
37	1880	61,15		8,54	55,98
38	1881	60,73		8,74	55,60
39	1882	64,38		8,95	58,94
40	1883	67,69		8,56	61,94
41	1884	68,82		9,37	63,00
42	1885	67,63		9,58	61,92
43	1886	65,46		9,81	59,95
44	1887	63,45		10,03	58,12
45	1888	63,39		8,75	58,02
46	1889	61,21		9,95	56,08
47	1890	57,30		10,75	52,54
48	1891	58,47		8,48	53,54
49	1892	67,53		10,48	61,85
50	1893	60,75		11,52	55,70
51		63,81		11,79	58,50
52	1895	63,37		12,06	58,11
53	1896	52,17		12,34	47,91
54	1897	64,31		12,63	58,98
55	1898	68,87		12,92	63,15
56	1899	64,80		13,22	59,45
57	1900	65,78		13,53	60,34
58	1901	78,40	15,96	13,84	71,86
59	1902	73,99	16,61	14,16	67,97
60	1903	72,87	17,35	14,49	67,02
61	1904	70,03	16,46	13,34	64,37
62	1905	70,60	19,07	15,17	65,13
63	1906	77,09	19,15	12,76	70,88
64	1907	76,77	19,45	17,96	70,78
65	1908	78,01	21,17	15,97	71,95
66	1909	83,48	19,05	14,70	76,66
67	1910	71,14	21,88	17,55	65,90
68	1911	89,67	21,56	18,70	82,52
69	1912	76,34	24,52	16,99	70,73
70	1913	78,00	27,90	18,23	72,50

Table B.1 AGRICULTURE, FORESTRY AND FISHING INDICES, 1850-1964 (1958=100)

	A	C	D	E	F
71		Agriculture	Forestry	Fishing	Agriculture,
72					Forestry and
73					Fishing.
74					
75					
76		IPAVA58	SILVA58	IPESCA58	AGY58
77	1914	73,49	24,95	18,14	68,24
78	1915	81,12	24,65	17,59	75,04
79	1916	85,41	25,37	18,86	78,98
80	1917	85,90	27,86	17,16	79,54
81	1918	86,46	28,29	35,92	80,67
82	1919	87,78	28,28	40,84	82,00
83	1920	90,65	30,13	51,08	85,03
84	1921	89,65	30,91	54,07	84,29
85	1922	92,54	35,11	46,50	86,94
86	1923	84,95	35,56	44,02	80,10
87	1924	86,51	35,64	40,30	81,38
88	1925	95,64	37,76	38,31	89,65
89	1926	87,78	35,82	33,99	82,33
90	1927	101,28	41,27	29,41	94,68
91	1928	86,97	43,51	32,62	82,12
92	1929	102,53	48,85	36,15	96,57
93	1930	89,98	47,00	36,81	85,21
94	1931	96,78	51,58	40,01	91,73
95	1932	106,80	48,18	41,81	100,52
96	1933	103,40	47,71	42,27	97,45
97	1934	107,62	47,66	49,31	101,46
98	1935	106,08	47,58	54,29	100,23
99	1936	94,30			89,10
100	1937	96,86			91,51
101	1938	91,97			86,89
102	1939	84,32			79,67
103	1940	86,38	37,71	55,65	81,89
104	1941	80,43	35,97	55,03	76,42
105	1942	82,79	44,18	56,25	79,16
106	1943	85,81	63,61	56,32	83,28
107	1944	93,34	59,52	60,96	89,88
108	1945	74,11	63,30	69,98	73,20
109	1946	84,15	70,81	75,22	82,90
110	1947	84,40	74,51	72,44	83,31
111	1948	79,64	73,50	67,62	78,82
112	1949	80,85	61,19	69,73	79,08
113	1950	81,24	66,44	73,14	79,92
114	1951	101,78	73,59	75,84	98,93
115	1952	100,25	77,17	78,26	97,89
116	1953	95,64	73,69	81,34	93,61
117	1954	100,97	78,65	82,90	98,79
118	1955	96,47	88,70	97,05	95,92
119	1956	93,75	97,50	95,83	94,08
120	1957	102,00	102,31	98,38	101,90
121	1958	100,00	100,00	100,00	100,00
122	1959	106,53	91,79	105,08	105,42
123	1960	106,60	92,07	121,98	106,03
124	1961	112,33	104,33	133,96	112,43
125	1962	109,88	107,29	138,66	110,60
126	1963	131,83	103,55	141,81	130,11
127	1964	118,79	104,24	151,70	118,77

Table B.2 INDUSTRY AND CONSTRUCTION INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
1							
2		Manufacturing	Mining	Utilities	Industry	Construction	Industry &
3							Construction
4							
5							
6		MAF58	IMN58	IUTIL58	IPIN58	PIC58	IPIC058
7	1850	7,21	9,11	0,02	6,82	7,35	6,89
8	1851	7,38	10,87	0,03	7,09	8,29	7,24
9	1852	8,48	9,79	0,04	7,96	8,83	8,08
10	1853	7,51	11,40	0,05	7,23	9,70	7,55
11	1854	7,64	10,56	0,06	7,20	9,08	7,52
12	1855	8,27	10,51	0,07	7,83	9,90	8,10
13	1856	9,44	11,66	0,08	8,92	13,60	9,53
14	1857	9,80	11,37	0,08	9,21	19,85	10,60
15	1858	9,64	11,30	0,09	9,07	24,31	11,07
16	1859	10,56	13,40	0,10	10,00	29,37	12,54
17	1860	10,28	16,75	0,12	9,97	34,19	13,15
18	1861	11,09	19,18	0,13	10,83	37,90	14,38
19	1862	10,65	15,57	0,14	10,22	41,23	14,28
20	1863	11,43	17,28	0,15	11,00	37,53	14,48
21	1864	11,71	16,75	0,16	11,21	31,38	13,85
22	1865	12,03	16,92	0,17	11,50	25,51	13,33
23	1866	11,41	16,84	0,18	10,96	19,54	12,08
24	1867	12,31	20,16	0,19	11,96	16,61	12,57
25	1868	11,57	19,71	0,20	11,28	14,71	11,73
26	1869	11,92	18,93	0,21	11,54	12,97	11,73
27	1870	11,82	21,71	0,22	11,63	14,84	12,05
28	1871	13,20	25,96	0,25	13,10	17,38	13,66
29	1872	14,41	25,45	0,28	14,12	19,23	14,79
30	1873	18,00	17,31	0,28	16,69	20,15	17,15
31	1874	15,64	20,27	0,31	14,84	22,45	15,84
32	1875	15,74	24,54	0,33	15,21	24,06	16,37
33	1876	16,04	27,70	0,38	15,68	28,33	17,34
34	1877	17,54	30,32	0,45	17,14	29,03	18,70
35	1878	17,75	30,22	0,36	17,31	31,10	19,12
36	1879	18,42	31,85	0,41	18,01	31,03	19,71
37	1880	20,29	33,05	0,47	19,70	30,99	21,18
38	1881	22,93	35,55	0,52	22,14	32,86	23,55
39	1882	23,15	39,18	0,58	22,57	36,12	24,35
40	1883	24,17	41,65	0,63	23,62	38,73	25,60
41	1884	23,24	41,58	0,69	22,81	32,39	24,07
42	1885	24,54	37,84	0,72	23,70	29,93	24,51
43	1886	21,88	43,12	0,72	21,74	28,92	22,68
44	1887	21,95	46,32	0,81	22,01	27,42	22,72
45	1888	23,40	47,40	0,94	23,34	27,67	23,91
46	1889	24,21	48,78	1,01	24,14	30,04	24,91
47	1890	24,76	50,14	1,12	24,70	35,27	26,09
48	1891	26,42	46,30	1,22	25,91	39,33	27,67
49	1892	28,39	43,62	1,29	27,44	35,86	28,54
50	1893	28,61	45,03	1,33	27,72	40,89	29,45
51	1894	26,99	44,58	1,40	26,30	36,80	27,67
52	1895	26,59	45,84	1,53	26,05	39,44	27,80
53	1896	25,64	46,21	1,67	25,25	29,86	25,86
54	1897	24,53	46,51	1,74	24,32	27,51	24,74
55	1898	27,69	53,85	1,67	27,52	30,51	27,91
56	1899	29,80	55,17	1,78	29,43	36,52	30,36
57	1900	31,87	54,59	1,96	31,20	41,00	32,49
58	1901	31,19	56,74	2,09	30,76	38,47	31,77
59	1902	29,59	54,41	2,23	29,23	39,60	30,59
60	1903	30,42	54,25	2,31	29,95	41,22	31,43
61	1904	30,73	52,91	2,51	30,15	38,72	31,27
62	1905	29,94	55,24	2,60	29,62	39,62	30,93
63	1906	30,86	57,36	2,79	30,56	43,54	32,27
64	1907	33,83	60,58	2,94	33,35	36,82	33,80
65	1908	35,65	61,82	3,23	35,02	39,96	35,67
66	1909	32,12	61,19	3,45	31,95	40,37	33,05
67	1910	33,15	65,32	3,65	33,12	43,00	34,42
68	1911	34,52	63,28	3,99	34,19	46,67	35,83
69	1912	38,74	63,39	4,25	37,87	52,30	39,76
70	1913	37,36	63,27	4,49	36,69	49,02	38,31

Table B.2 INDUSTRY AND CONSTRUCTION INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
71							
72		Manufacturing	Mining	Utilities	Industry	Construction	Industry &
73							Construction
74							
75							
76		MAF58	IMN58	IUTIL58	IPIN58	PIC58	IPIC058
77	1914	37,94	52,19	4,77	36,49	46,10	37,75
78	1915	37,96	51,37	4,99	36,48	39,37	36,86
79	1916	40,97	55,91	5,54	39,41	35,82	38,94
80	1917	40,01	54,65	6,35	38,56	27,38	37,09
81	1918	40,88	52,43	5,76	39,13	23,97	37,14
82	1919	38,93	47,34	4,63	37,03	30,75	36,21
83	1920	42,35	46,25	6,34	40,04	31,83	38,97
84	1921	42,05	42,68	6,05	39,53	42,75	39,95
85	1922	43,16	40,56	7,22	40,43	51,09	41,83
86	1923	48,67	50,04	8,18	45,88	52,47	46,74
87	1924	51,19	53,21	9,26	48,34	54,60	49,16
88	1925	54,39	57,37	10,48	51,46	61,30	52,75
89	1926	56,55	58,65	10,95	53,44	64,35	54,87
90	1927	60,30	62,12	11,79	56,97	70,38	58,73
91	1928	63,66	62,07	15,57	60,14	71,67	61,65
92	1929	64,59	67,21	15,84	61,30	72,55	62,77
93	1930	65,15	63,23	17,01	61,60	73,55	63,17
94	1931	56,82	54,29	17,56	53,86	66,84	55,57
95	1932	54,87	47,04	18,40	51,77	64,75	53,47
96	1933	54,44	44,86	19,00	51,31	62,41	52,76
97	1934	57,09	42,62	19,81	53,51	58,96	54,23
98	1935	57,69	49,47	21,31	54,58	51,81	54,21
99	1936	40,62	31,32	18,42	38,45	45,44	39,36
100	1937	34,57	21,60	16,02	32,42	40,33	33,46
101	1938	36,77	38,92	17,72	35,55	43,46	36,59
102	1939	39,71	42,81	20,14	38,52	37,43	38,37
103	1940	43,74	51,75	23,53	42,82	41,43	42,64
104	1941	43,21	49,59	24,15	42,26	44,53	42,56
105	1942	46,91	53,32	27,80	45,96	47,21	46,13
106	1943	44,76	55,64	30,03	44,41	44,86	44,47
107	1944	49,74	58,95	29,91	48,92	46,92	48,66
108	1945	46,43	60,91	26,60	45,95	47,59	46,17
109	1946	52,75	63,65	34,00	52,11	47,96	51,57
110	1947	52,47	59,59	37,43	51,86	50,43	51,67
111	1948	51,14	63,58	38,47	51,03	50,84	51,01
112	1949	49,42	65,19	35,89	49,47	51,54	49,74
113	1950	54,13	68,23	43,57	54,29	54,12	54,26
114	1951	57,63	72,90	51,79	58,20	54,00	57,65
115	1952	67,88	79,10	58,61	67,94	55,49	66,31
116	1953	69,36	80,88	62,54	69,62	60,30	68,40
117	1954	74,15	81,94	65,10	74,00	72,19	73,77
118	1955	81,87	85,12	73,49	81,49	81,11	81,44
119	1956	88,29	89,56	83,98	88,07	83,99	87,53
120	1957	93,62	96,51	89,14	93,49	87,76	92,74
121	1958	100,00	100,00	100,00	100,00	100,00	100,00
122	1959	100,97	94,21	106,04	100,89	97,06	100,39
123	1960	103,91	96,19	113,52	104,10	105,26	104,25
124	1961	122,57	98,68	126,84	121,34	103,69	119,02
125	1962	137,94	94,84	138,91	135,24	114,47	132,52
126	1963	145,76	94,80	156,45	143,25	132,59	141,85
127	1964	161,31	92,90	177,75	158,09	151,45	157,22

Table B.3 MANUFACTURING INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F
1		Food	Textile	Paper &	Leather	Rubber
2				Printing		
3						
4						
5		IAL58	ITX58	IPPL58	ICUR58	ICAU58
6	1850	18,35	13,74	0,35	24,14	0,02
7	1851	17,06	17,01	0,39	29,77	0,01
8	1852	20,40	19,38	0,39	30,69	0,01
9	1853	17,50	17,63	0,34	28,72	0,00
10	1854	18,46	16,25	0,64	35,86	0,00
11	1855	17,38	16,43	0,75	48,56	0,00
12	1856	21,72	18,16	0,43	43,00	0,02
13	1857	23,34	18,28	1,25	45,82	0,00
14	1858	21,64	20,87	2,05	46,31	0,01
15	1859	22,17	21,91	1,35	38,88	0,00
16	1860	20,36	23,76	2,41	55,00	0,03
17	1861	23,08	20,46	2,80	65,61	0,05
18	1862	22,31	19,62	2,84	57,36	0,04
19	1863	24,72	18,77	3,89	61,48	0,04
20	1864	25,88	18,24	1,96	61,41	0,02
21	1865	26,69	18,08	3,16	64,92	0,02
22	1866	25,43	20,33	2,97	50,66	0,01
23	1867	27,29	21,89	3,76	47,60	0,01
24	1868	24,48	24,09	2,90	33,28	0,02
25	1869	25,64	25,29	2,75	25,39	0,03
26	1870	21,46	28,39	3,19	57,52	0,02
27	1871	25,60	29,25	4,46	58,57	0,02
28	1872	29,33	28,57	5,37	69,67	0,02
29	1873	41,90	29,89	4,10	75,41	0,03
30	1874	33,21	30,96	4,55	71,99	0,06
31	1875	32,77	33,18	3,71	76,68	0,04
32	1876	32,30	33,57	5,08	67,02	0,04
33	1877	37,54	34,15	6,20	54,63	0,04
34	1878	38,51	33,43	6,36	65,40	0,03
35	1879	36,85	35,01	6,09	65,26	0,04
36	1880	45,33	36,88	7,39	51,43	0,04
37	1881	52,03	39,00	7,82	70,57	0,05
38	1882	51,24	41,29	7,73	63,22	0,05
39	1883	53,88	43,20	7,60	65,76	0,07
40	1884	49,75	44,44	10,97	55,46	0,07
41	1885	52,04	42,61	12,29	84,90	0,07
42	1886	44,01	41,52	7,35	88,78	0,07
43	1887	47,00	39,39	8,52	64,16	0,09
44	1888	47,90	42,80	10,40	53,12	0,08
45	1889	49,62	42,86	8,86	73,55	0,08
46	1890	49,59	46,16	10,44	69,01	0,11
47	1891	56,44	47,27	8,65	74,13	0,12
48	1892	61,66	47,22	10,34	81,23	0,14
49	1893	61,29	50,93	10,32	64,55	0,18
50	1894	55,34	52,04	8,97	67,63	0,25
51	1895	53,94	53,77	10,45	70,92	0,22
52	1896	50,03	53,55	9,28	69,27	0,24
53	1897	43,79	52,16	10,83	73,35	0,29
54	1898	56,19	56,74	10,52	43,54	0,27
55	1899	59,87	55,58	12,23	86,09	0,39
56	1900	57,82	57,76	10,47	110,75	0,40
57	1901	59,56	58,11	12,39	90,48	0,42
58	1902	55,23	57,88	15,85	103,40	0,40
59	1903	57,19	58,11	17,56	91,06	0,43
60	1904	61,34	55,86	15,78	71,59	0,48
61	1905	57,15	56,55	16,75	57,12	0,56
62	1906	53,74	60,32	18,66	69,28	0,83
63	1907	58,64	64,74	18,30	69,27	1,19
64	1908	64,82	60,49	18,23	73,73	1,35
65	1909	58,29	57,27	19,53	67,88	1,25
66	1910	59,00	55,71	20,23	75,34	1,47
67	1911	57,51	60,79	21,37	80,47	1,71
68	1912	68,60	64,19	24,98	86,42	1,49
69	1913	59,91	63,56	30,57	73,10	2,21

Table B.3 MANUFACTURING INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F
70		Food	Textile	Paper &	Leather	Rubber
71				Printing		
72						
73						
74		IAL58	ITX58	IPPL58	ICUR58	ICAU58
75	1914	64,94	71,53	30,04	48,01	2,03
76	1915	60,13	73,62	28,89	113,02	3,36
77	1916	73,89	74,44	30,68	87,14	5,70
78	1917	72,34	65,18	24,74	102,18	4,49
79	1918	78,03	59,93	22,61	103,10	2,83
80	1919	71,96	56,63	23,42	140,62	12,63
81	1920	80,34	60,15	27,34	120,46	13,98
82	1921	76,55	62,23	16,95	69,56	12,00
83	1922	80,00	69,38	28,27	82,50	2,01
84	1923	81,52	64,72	29,93	65,32	2,15
85	1924	84,54	65,58	35,46	59,91	3,22
86	1925	85,98	65,10	36,79	71,10	3,94
87	1926	83,52	68,77	37,85	93,80	3,86
88	1927	88,87	69,21	40,00	90,68	4,56
89	1928	99,33	68,17	41,29	85,60	7,33
90	1929	88,27	69,39	43,89	83,47	7,37
91	1930	102,02	74,16	44,31	84,02	11,16
92	1931	88,02	76,92	45,55	79,25	8,82
93	1932	93,65	78,24	46,46	126,69	14,83
94	1933	93,02	75,80	47,29	119,32	18,84
95	1934	95,16	75,38	51,21	98,46	23,55
96	1935	94,48	75,68	47,75	86,80	29,21
97	1936	66,58	64,99	38,60		
98	1937	79,46	47,87	21,45		
99	1938	62,09	47,80	27,46		
100	1939	67,87	50,75	30,32		
101	1940	59,18	57,45	33,03	27,21	10,82
102	1941	59,79	53,13	33,07	25,86	11,99
103	1942	67,30	58,48	36,10	26,96	4,25
104	1943	66,72	60,45	36,21	26,39	3,73
105	1944	74,06	71,41	41,84	41,83	4,81
106	1945	65,12	68,66	38,23	29,31	8,18
107	1946	65,04	69,92	46,57	15,64	33,36
108	1947	75,08	62,98	46,37	38,76	43,48
109	1948	74,97	62,21	42,22	43,39	28,27
110	1949	64,10	61,03	38,98	23,23	34,12
111	1950	72,44	58,33	47,57	5,98	24,58
112	1951	71,03	62,89	53,80	8,43	24,30
113	1952	94,11	71,14	53,12	92,45	43,35
114	1953	90,02	78,36	50,76	120,60	39,40
115	1954	87,17	79,40	62,37	45,93	58,00
116	1955	86,14	83,93	66,50	125,93	58,38
117	1956	96,31	89,35	76,86	113,93	75,94
118	1957	97,26	94,87	88,76	118,60	109,81
119	1958	100,00	100,00	100,00	100,00	100,00
120	1959	101,42	91,77	101	75,33	91,31
121	1960	115,29	94,35	106,88	108,12	134,07
122	1961	119,81	104,52	119,56	159,16	190,00
123	1962	130,11	113,35	131,98	321,65	228,62
124	1963	134,58	109,76	155,18	356,69	230,29
125	1964	164,56	100,12	166,76	338,36	248,33

Table B.4 CONSTRUCTION INDICES, 1850-1964 (1958= 100)

	A	B	C	D	E
1		Residential &	Railways	Road &	Construction
2		Commercial	Construction	Harbour	
3		Construction		Construction	
4					
5					
6		IBLD58	ITRAK58	IKCCP58	PIC58
7	1850	7,35	17,73	3,74	7,35
8	1851	8,14	24,31	3,19	8,29
9	1852	8,06	30,12	3,67	8,83
10	1853	7,29	37,75	6,94	9,70
11	1854	6,32	42,16	5,59	9,08
12	1855	6,76	48,73	5,53	9,90
13	1856	8,63	75,16	6,63	13,60
14	1857	12,18	114,95	9,03	19,85
15	1858	14,79	147,53	9,12	24,31
16	1859	17,32	190,13	8,50	29,37
17	1860	21,64	205,76	11,01	34,19
18	1861	25,33	203,68	16,75	37,90
19	1862	27,38	221,88	18,66	41,23
20	1863	24,28	212,87	15,08	37,53
21	1864	20,73	167,18	15,09	31,38
22	1865	18,30	125,52	11,68	25,51
23	1866	17,00	61,90	12,20	19,54
24	1867	15,19	45,00	10,87	16,61
25	1868	13,09	40,85	10,31	14,71
26	1869	12,87	24,62	9,23	12,97
27	1870	15,45	30,86	7,54	14,84
28	1871	17,68	42,04	7,97	17,38
29	1872	17,95	57,04	9,83	19,23
30	1873	17,18	75,63	9,52	20,15
31	1874	18,09	96,83	9,24	22,45
32	1875	19,41	100,71	10,93	24,06
33	1876	23,78	115,81	11,18	28,33
34	1877	24,75	114,31	11,86	29,03
35	1878	26,13	124,03	13,23	31,10
36	1879	24,77	134,21	13,36	31,03
37	1880	26,11	119,43	14,44	30,99
38	1881	28,60	112,66	17,49	32,86
39	1882	31,41	124,09	19,24	36,12
40	1883	31,33	154,03	20,19	38,73
41	1884	27,78	107,08	19,83	32,39
42	1885	24,25	105,63	20,08	29,93
43	1886	21,73	108,27	22,21	28,92
44	1887	21,81	92,75	20,99	27,42
45	1888	22,32	96,19	19,41	27,67
46	1889	23,75	117,49	17,90	30,04
47	1890	24,84	161,26	21,73	35,27
48	1891	26,14	215,82	16,25	39,33
49	1892	25,90	169,89	18,18	35,86
50	1893	27,50	222,55	16,64	40,89
51	1894	27,02	173,45	17,70	36,80
52	1895	28,23	193,81	18,34	39,44
53	1896	27,41	80,98	19,23	29,86
54	1897	26,94	57,28	18,85	27,51
55	1898	30,81	66,55	17,16	30,51
56	1899	35,40	106,50	15,49	36,52
57	1900	41,19	122,65	12,13	41,00
58	1901	40,26	95,89	13,41	38,47
59	1902	41,29	98,21	14,39	39,60
60	1903	41,23	119,82	13,95	41,22
61	1904	39,84	97,94	14,97	38,72
62	1905	36,93	123,34	18,38	39,62
63	1906	36,50	183,70	15,31	43,54
64	1907	40,05	64,67	17,82	36,82
65	1908	42,51	83,86	17,36	39,96
66	1909	43,66	69,27	20,85	40,37
67	1910	44,21	83,39	25,50	43,00
68	1911	44,99	127,67	23,43	46,67
69	1912	47,01	140,52	36,99	52,30
70	1913	46,21	120,57	32,33	49,02

Table B.4 CONSTRUCTION INDICES, 1850-1964 (1958= 100)

	A	B	C	D	E
71		Residential &	Railways	Road &	Construction
72		Commercial	Construction	Harbour	
73		Construction		Construction	
74					
75					
76		IBL058	ITRAK58	IKCCP58	PIC58
77	1914	42,74	107,14	34,65	46,10
78	1915	36,14	91,18	30,77	39,37
79	1916	29,30	117,59	26,33	35,82
80	1917	24,71	62,20	23,02	27,38
81	1918	23,28	53,99	15,54	23,97
82	1919	29,17	84,20	16,79	30,75
83	1920	33,18	51,79	21,00	31,83
84	1921	39,81	94,94	33,16	42,75
85	1922	43,80	107,71	52,55	51,09
86	1923	50,36	90,41	45,41	52,47
87	1924	55,89	78,25	42,69	54,60
88	1925	59,44	121,67	45,74	61,30
89	1926	65,39	119,95	42,07	64,35
90	1927	69,81	146,98	45,49	70,38
91	1928	78,55	91,73	44,83	71,67
92	1929	80,41	78,87	47,63	72,55
93	1930	74,94	61,16	73,83	73,55
94	1931	64,68	65,36	73,60	66,84
95	1932	57,19	72,10	84,09	64,75
96	1933	55,19	64,24	82,67	62,41
97	1934	54,57	48,65	75,26	58,96
98	1935	46,61	48,01	68,14	51,81
99	1936	38,71	46,79		45,44
100	1937	30,19	50,49		40,33
101	1938	29,92	60,00		43,46
102	1939	31,14	75,53		37,43
103	1940	33,04	86,71		41,43
104	1941	35,81	92,53	53,10	44,53
105	1942	39,62	114,73	45,75	47,21
106	1943	42,17	92,99	35,93	44,86
107	1944	44,23	73,37	45,51	46,92
108	1945	45,85	60,89	48,02	47,59
109	1946	50,09	55,56	39,18	47,96
110	1947	54,06	62,66	35,70	50,43
111	1948	53,64	68,43	36,66	50,84
112	1949	53,11	79,93	37,16	51,54
113	1950	53,87	99,94	38,94	54,12
114	1951	58,23	86,36	30,53	54,00
115	1952	61,46	72,53	32,32	55,49
116	1953	66,00	100,10	30,01	60,30
117	1954	72,91	148,24	43,73	72,19
118	1955	82,19	150,65	53,88	81,11
119	1956	89,21	136,89	50,54	83,99
120	1957	95,15	129,89	51,78	87,76
121	1958	100,00	100,00	100,00	100,00
122	1959	104,54	113,89	69,55	97,06
123	1960	112,00	113,53	82,89	105,26
124	1961	121,61	103,85	51,81	103,69
125	1962	133,34	106,04	62,82	114,47
126	1963	145,71	110,22	102,40	132,59
127	1964	161,62	125,67	130,98	151,45

Table B.5 SERVICES' INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
1		Public	Education	Liberal	Domestic	Commerce	Banking
2		Administration		Professions	Service		
3							
4							
5							
6		IGOV58	IED58	PROLIB58	SERDOM58	MTRADE58	BANK58
7	1850	11,89	7,12	25,28	56,90	20,62	0,43
8	1851	11,02	7,17	25,31	56,98	20,90	0,43
9	1852	11,92	7,22	25,34	57,05	21,17	0,45
10	1853	12,05	7,27	25,38	57,13	21,42	0,48
11	1854	11,44	7,32	25,41	57,20	21,78	0,51
12	1855	10,82	7,37	25,44	57,28	22,45	0,52
13	1856	9,52	7,42	25,48	57,35	23,20	0,53
14	1857	11,14	7,47	25,51	57,43	24,01	0,58
15	1858	11,62	7,62	25,54	57,50	24,27	0,86
16	1859	12,93	7,70	25,58	57,58	24,76	0,78
17	1860	12,78	7,80	25,61	57,65	25,09	0,70
18	1861	12,24	7,83	25,64	57,73	25,79	0,60
19	1862	12,38	7,93	25,68	57,81	26,50	0,74
20	1863	12,38	8,09	25,71	57,88	27,16	0,72
21	1864	12,71	8,30	25,75	57,96	27,77	0,82
22	1865	13,09	8,73	25,78	58,03	27,68	0,53
23	1866	12,72	8,44	25,81	58,11	26,78	0,47
24	1867	12,18	8,55	25,85	58,19	26,18	0,66
25	1868	11,24	8,29	25,88	58,26	25,28	0,56
26	1869	12,92	8,34	25,92	58,34	25,84	0,62
27	1870	12,81	8,40	25,95	58,41	27,08	0,79
28	1871	13,16	8,45	25,98	58,49	31,00	1,00
29	1872	14,56	8,50	26,02	58,57	32,64	0,91
30	1873	17,99	8,55	26,05	58,64	33,28	0,66
31	1874	20,76	8,60	26,09	58,72	31,48	0,95
32	1875	23,41	8,66	26,12	58,80	32,67	1,32
33	1876	17,55	8,71	26,15	58,88	33,61	1,30
34	1877	16,92	8,77	26,19	58,95	34,09	1,33
35	1878	16,94	8,83	26,58	59,00	33,94	1,71
36	1879	15,75	8,90	26,97	59,06	34,81	1,65
37	1880	17,51	8,97	27,37	59,11	36,72	2,70
38	1881	16,17	9,04	27,77	59,16	38,57	2,71
39	1882	16,22	9,11	28,19	59,21	40,59	2,02
40	1883	16,21	9,38	28,60	59,26	42,04	2,09
41	1884	16,38	9,25	29,03	59,31	42,74	2,67
42	1885	16,96	9,32	29,46	59,37	42,00	2,92
43	1886	17,87	9,39	29,89	59,42	41,31	3,37
44	1887	18,59	9,47	30,34	59,47	40,67	3,95
45	1888	18,43	9,54	30,60	58,06	40,73	4,22
46	1889	17,61	9,61	30,86	56,68	40,58	4,52
47	1890	18,42	9,68	31,13	55,33	40,44	4,14
48	1891	18,27	9,75	31,40	54,02	41,11	4,88
49	1892	18,38	9,82	31,67	52,74	42,73	4,13
50	1893	16,96	9,89	31,95	51,49	44,73	4,09
51	1894	18,13	9,96	32,27	50,26	45,45	3,65
52	1895	18,29	10,04	32,51	49,07	44,05	4,32
53	1896	16,87	10,11	32,79	47,91	43,46	4,81
54	1897	18,29	10,19	33,07	46,77	43,16	5,14
55	1898	21,37	10,26	33,36	45,66	44,96	7,71
56	1899	21,99	10,34	33,65	44,57	45,47	6,97
57	1900	19,70	10,42	33,94	43,52	47,43	6,48
58	1901	19,46	10,50	34,40	43,81	48,06	6,33
59	1902	20,81	10,59	34,86	44,10	49,11	5,80
60	1903	20,30	10,72	35,32	44,40	48,27	6,12
61	1904	21,27	11,35	35,80	44,70	48,33	5,94
62	1905	20,34	11,13	36,28	45,00	48,67	5,76
63	1906	21,47	11,55	36,77	45,31	49,78	6,05
64	1907	20,51	10,66	37,26	45,61	51,08	5,74
65	1908	21,38	11,69	37,76	45,92	51,87	5,93
66	1909	21,98	12,24	38,27	46,23	51,35	6,41
67	1910	23,45	12,11	38,78	46,54	52,93	6,47
68	1911	26,47	13,19	38,52	46,25	54,03	6,85
69	1912	28,75	13,91	38,26	45,97	56,50	6,61
70	1913	32,78	14,91	38,01	45,69	55,20	6,75

Table B.5 SERVICES' INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
71		Public	Education	Liberal	Domestic	Commerce	Banking
72		Administration		Professions	Service		
73							
74							
75							
76		IGOV58	IED58	PROLIB58	SERDOM58	MTRADE58	BANK58
77	1914	33,62	15,29	37,75	45,41	55,02	7,06
78	1915	32,58	15,96	37,50	45,13	55,10	8,21
79	1916	30,21	15,71	37,25	44,86	55,83	8,17
80	1917	27,99	15,42	37,00	44,58	55,61	9,14
81	1918	27,52	14,68	36,75	44,31	55,35	9,03
82	1919	28,90	16,72	36,51	44,04	57,85	9,97
83	1920	33,59	20,09	36,26	43,77	60,16	11,36
84	1921	40,97	23,27	38,68	44,87	61,87	13,94
85	1922	38,87	23,68	41,25	46,01	61,79	19,96
86	1923	36,84	23,27	44,00	47,17	62,93	20,24
87	1924	43,38	26,31	46,93	48,36	65,99	16,89
88	1925	42,83	26,29	50,05	49,58	68,15	16,90
89	1926	41,37	26,16	53,38	50,83	72,00	18,19
90	1927	40,36	25,99	56,94	52,12	73,43	21,41
91	1928	40,95	26,93	60,73	53,43	77,42	22,75
92	1929	44,56	31,67	64,77	54,78	76,90	24,45
93	1930	41,56	31,29	69,08	56,17	75,33	26,00
94	1931	45,86	35,05	73,68	57,58	73,06	22,66
95	1932	48,28	44,05	78,58	59,04	71,71	23,60
96	1933	53,49	49,07	83,81	60,53	73,31	25,56
97	1934	55,49	48,36	89,39	62,06	73,81	26,41
98	1935	60,79	55,19	95,34	63,62	69,94	27,99
99	1936			101,69	65,23	62,36	22,68
100	1937			96,11	48,28	54,81	17,32
101	1938			95,26	50,03	52,72	16,92
102	1939		41,52	94,42	51,84	54,92	20,23
103	1940	69,25	40,79	93,58	53,73	55,84	27,50
104	1941	60,13	41,02	92,76	55,68	57,79	26,66
105	1942	62,02	46,57	91,94	57,70	58,11	47,88
106	1943	66,46	42,84	91,12	59,79	61,02	45,45
107	1944	65,91	42,22	90,32	61,96	60,49	47,92
108	1945	75,49	48,41	89,52	64,21	62,13	49,30
109	1946	58,38	40,15	88,73	66,54	62,88	50,02
110	1947	56,21	38,80	87,94	68,96	65,56	54,13
111	1948	52,98	40,15	87,17	71,46	65,56	51,41
112	1949	53,79	44,56	86,40	74,06	65,33	50,05
113	1950	52,53	42,45	85,63	76,74	67,40	52,81
114	1951	59,76	47,99	87,93	80,49	71,97	52,36
115	1952	63,37	53,36	89,56	83,02	76,41	63,80
116	1953	66,16	53,44	91,23	85,64	80,52	60,86
117	1954	75,73	66,12	92,92	88,33	83,26	68,24
118	1955	74,31	67,25	94,64	91,12	86,91	75,44
119	1956	94,93	79,02	96,39	93,99	91,02	84,91
120	1957	98,46	88,86	98,18	96,95	95,30	94,33
121	1958	100,00	100,00	100,00	100,00	100,00	100,00
122	1959	96,04	101,19	101,85	103,15	105,14	101,57
123	1960	109,75	123,01	103,74	106,40	113,39	104,71
124	1961	117,90	132,82	105,66	109,75	122,07	120,28
125	1962	142,65	137,90	107,62	113,21	132,59	142,58
126	1963	156,18	176,00	109,62	116,77	140,44	174,95
127	1964	156,82	186,56	111,65	120,45	145,27	205,29

Table B.5 SERVICES: INDICES, 1850-1964 (1958=100)

	A	H	I	J
1		Rent of	Transport &	Services
2		Dwellings	Communications	
3				
4				
5				
6		DWEL58	TPTCOM58	SER58
7	1850	29,98	1,13	15,63
8	1851	30,16	1,26	15,60
9	1852	30,34	1,41	15,89
10	1853	30,52	1,50	16,02
11	1854	30,70	1,69	16,07
12	1855	30,89	1,47	16,07
13	1856	31,07	1,52	16,05
14	1857	31,26	1,94	16,67
15	1858	31,44	2,09	16,91
16	1859	31,63	2,11	17,27
17	1860	31,82	2,46	17,44
18	1861	32,18	2,68	17,60
19	1862	32,55	2,91	17,90
20	1863	32,93	3,35	18,22
21	1864	33,31	3,53	18,52
22	1865	33,69	3,72	18,66
23	1866	34,08	3,95	18,47
24	1867	34,47	3,61	18,19
25	1868	34,86	3,93	17,93
26	1869	35,27	3,98	18,42
27	1870	35,67	4,11	18,77
28	1871	36,08	4,42	19,88
29	1872	36,49	4,88	20,70
30	1873	36,91	4,88	21,52
31	1874	37,34	4,54	21,58
32	1875	37,77	5,13	22,60
33	1876	38,20	5,28	21,78
34	1877	38,64	6,02	22,04
35	1878	39,01	5,96	22,08
36	1879	39,37	6,04	22,15
37	1880	39,75	7,18	23,41
38	1881	40,12	7,20	23,66
39	1882	40,50	7,70	24,31
40	1883	40,89	8,83	25,07
41	1884	41,27	8,86	25,37
42	1885	41,66	8,77	25,38
43	1886	42,06	8,75	25,49
44	1887	42,46	8,97	25,66
45	1888	42,81	9,23	25,70
46	1889	43,16	9,54	25,59
47	1890	43,51	10,01	25,79
48	1891	43,87	10,13	25,98
49	1892	44,23	10,07	26,30
50	1893	44,60	10,23	26,53
51	1894	44,97	10,61	26,98
52	1895	45,34	11,20	26,85
53	1896	45,71	11,82	26,62
54	1897	46,09	12,63	27,04
55	1898	46,47	13,34	28,42
56	1899	46,85	14,46	28,91
57	1900	47,24	14,67	28,96
58	1901	47,59	14,64	29,14
59	1902	47,94	14,89	29,77
60	1903	48,30	16,35	29,98
61	1904	48,65	15,98	30,18
62	1905	49,02	16,46	30,28
63	1906	49,38	16,61	30,93
64	1907	49,75	17,26	31,28
65	1908	50,11	17,35	31,80
66	1909	50,49	17,52	31,98
67	1910	50,86	18,14	32,91
68	1911	51,39	18,00	33,77
69	1912	51,92	19,72	35,28
70	1913	52,46	20,84	36,07

Table B.5 SERVICES: INDICES, 1850-1964 (1958=100)

	A	H	I	J
71		Rent of	Transport &	Services
72		Dwellings	Communications	
73				
74				
75				
76		DWEL58	TPTCOM58	SER58
77	1914	53,00	20,54	36,14
78	1915	53,55	21,32	36,26
79	1916	54,10	23,47	36,50
80	1917	54,66	24,74	36,39
81	1918	55,23	25,66	36,40
82	1919	55,80	26,20	37,57
83	1920	56,37	29,17	39,94
84	1921	57,31	30,43	42,70
85	1922	58,26	32,49	43,63
86	1923	59,23	35,79	44,74
87	1924	60,21	37,95	47,52
88	1925	61,22	39,84	48,88
89	1926	62,23	40,91	50,43
90	1927	63,27	43,70	52,00
91	1928	64,32	45,91	54,32
92	1929	65,39	50,35	56,76
93	1930	66,47	51,75	56,81
94	1931	67,01	49,33	57,00
95	1932	67,55	49,99	58,34
96	1933	68,10	50,28	60,81
97	1934	68,65	53,54	62,76
98	1935	69,20	54,60	64,11
99	1936	69,76	43,65	59,31
100	1937	70,32	42,20	53,91
101	1938	70,89	42,20	53,15
102	1939	71,46	39,77	54,52
103	1940	72,04	49,97	59,09
104	1941	72,62	49,61	58,50
105	1942	73,21	49,58	60,99
106	1943	73,80	51,14	62,40
107	1944	74,40	52,26	62,55
108	1945	75,00	48,79	64,24
109	1946	75,60	49,73	62,15
110	1947	76,21	50,86	63,29
111	1948	76,83	53,37	63,18
112	1949	77,45	54,68	63,59
113	1950	78,07	58,34	64,90
114	1951	80,55	57,63	68,11
115	1952	83,10	65,74	73,12
116	1953	85,73	73,27	76,31
117	1954	88,44	72,84	80,21
118	1955	91,20	76,09	82,99
119	1956	94,04	87,75	90,82
120	1957	96,98	95,71	95,88
121	1958	100,00	100,00	100,00
122	1959	103,12	100,46	102,09
123	1960	106,33	101,49	108,79
124	1961	111,37	114,51	117,43
125	1962	116,65	122,90	128,39
126	1963	122,18	137,32	140,68
127	1964	127,97	153,63	149,01

Table B.6 TRANSPORT AND COMMUNICATIONS INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
1		Railways	Road	Maritime	Transport	Postal	Telegraph
2		Transport	Transport	Transport		Services	Services
3							
4							
5							
6		RAIL58	ROTP58	SEATP158	TPT58	POST58	TELEX58
7	1850	0,02		3,34	1,16	0,97	
8	1851	0,06		3,68	1,30	0,98	
9	1852	0,08		4,09	1,46	1,11	
10	1853	0,15		4,23	1,54	1,17	
11	1854	0,24		4,69	1,75	1,19	
12	1855	0,35		3,80	1,50	1,35	
13	1856	0,39		3,87	1,55	1,42	
14	1857	0,51		4,92	1,98	1,82	
15	1858	0,66	1,90	5,11	2,12	2,00	
16	1859	0,90	2,02	4,47	2,14	2,18	
17	1860	1,51	2,17	4,93	2,49	2,56	2,86
18	1861	1,88	2,16	5,43	2,69	2,79	4,10
19	1862	2,17	2,41	5,55	2,92	2,98	4,48
20	1863	2,83	2,82	5,85	3,39	3,04	5,01
21	1864	3,21	3,12	5,21	3,54	3,00	6,75
22	1865	3,82	3,08	5,21	3,70	3,03	8,64
23	1866	4,08	3,30	5,62	3,97	3,08	7,73
24	1867	4,12	3,28	3,76	3,62	3,14	6,70
25	1868	4,24	3,37	5,17	3,96	3,33	6,79
26	1869	4,39	3,51	4,73	4,01	3,61	6,76
27	1870	4,67	3,01	6,07	4,08	3,65	9,49
28	1871	5,25	3,06	6,82	4,42	3,67	9,23
29	1872	6,16	3,11	7,95	4,93	3,73	8,97
30	1873	6,06	3,19	7,88	4,93	3,90	8,72
31	1874	4,76	3,23	7,87	4,56	4,00	8,48
32	1875	5,98	3,27	8,44	5,05	4,09	14,38
33	1876	6,79	3,33	7,88	5,22	4,16	14,10
34	1877	8,27	3,39	9,46	5,99	3,67	16,37
35	1878	8,14	3,47	8,79	5,87	3,61	19,01
36	1879	8,05	3,55	9,03	5,93	3,88	19,81
37	1880	10,11	3,74	11,66	7,14	4,16	20,65
38	1881	9,69	3,84	11,70	7,06	4,46	23,65
39	1882	10,26	4,03	12,80	7,54	4,79	25,92
40	1883	13,37	4,18	13,48	8,68	5,21	29,08
41	1884	12,93	4,46	13,49	8,70	5,54	28,95
42	1885	12,62	4,60	12,92	8,57	5,61	30,02
43	1886	11,81	4,79	13,33	8,50	5,68	32,08
44	1887	11,36	4,94	14,65	8,68	5,83	34,06
45	1888	11,69	5,05	14,85	8,88	6,25	36,91
46	1889	12,12	5,19	15,08	9,12	7,70	37,66
47	1890	13,04	5,31	15,65	9,56	7,70	40,67
48	1891	12,47	5,49	15,93	9,54	9,11	44,08
49	1892	12,02	5,61	15,70	9,42	7,94	48,79
50	1893	12,85	5,78	16,09	9,83	7,85	39,29
51	1894	12,79	5,96	17,12	10,10	7,89	45,53
52	1895	14,22	6,10	17,32	10,64	8,13	49,09
53	1896	15,03	6,25	19,10	11,29	8,22	49,76
54	1897	16,56	6,45	20,57	12,13	10,10	47,87
55	1898	18,26	6,65	20,63	12,75	12,40	49,54
56	1899	20,12	6,82	23,64	13,96	15,60	43,76
57	1900	21,13	6,98	22,14	14,07	16,96	45,99
58	1901	20,57	6,97	22,77	14,01	17,90	45,01
59	1902	20,65	7,16	23,21	14,22	19,31	45,17
60	1903	25,04	7,35	23,95	15,77	19,36	46,37
61	1904	23,68	7,36	23,92	15,36	19,84	45,79
62	1905	22,83	7,68	26,61	15,77	20,34	49,65
63	1906	23,24	7,43	27,82	15,99	20,45	46,90
64	1907	24,56	7,97	28,48	16,79	15,52	53,26
65	1908	24,46	7,97	29,03	16,86	13,71	58,01
66	1909	24,40	8,22	28,77	16,92	15,64	59,11
67	1910	25,84	7,97	29,83	17,43	16,93	63,87
68	1911	27,09	6,68	30,51	17,27	17,68	62,57
69	1912	30,07	7,63	32,60	19,05	18,47	65,01
70	1913	30,74	8,55	34,26	20,02	21,56	69,07

Table B.6 TRANSPORT AND COMMUNICATIONS INDICES, 1850-1964 (1958=100)

	A	B	C	D	E	F	G
71		Railways	Road	Maritime	Transport	Postal	Telegraph
72		Transport	Transport	Transport		Services	Services
73							
74							
75							
76		RAIL58	RDTP58	SEATPT58	TPY58	POST58	TELEX58
77	1914	29,92	9,59	29,55	19,43	23,05	76,64
78	1915	31,28	10,30	28,99	20,10	24,00	82,45
79	1916	35,08	11,12	31,16	22,07	24,35	97,09
80	1917	35,60	12,05	31,86	22,84	24,83	121,93
81	1918	37,07	12,86	31,42	23,61	25,88	129,42
82	1919	39,45	13,61	25,86	23,68	28,29	146,41
83	1920	42,00	17,36	27,83	26,73	25,77	158,89
84	1921	43,45	19,83	25,44	27,99	25,97	163,46
85	1922	44,66	22,51	27,19	30,05	30,83	161,08
86	1923	46,47	26,42	34,76	34,01	33,55	140,98
87	1924	48,02	30,25	36,30	36,73	26,46	139,83
88	1925	48,56	33,69	37,02	38,79	27,67	137,84
89	1926	49,02	37,34	34,06	40,25	28,42	131,82
90	1927	48,70	41,12	37,73	42,77	41,53	127,46
91	1928	50,55	45,26	39,01	45,69	33,30	119,65
92	1929	54,83	49,25	47,11	50,53	35,38	113,06
93	1930	54,72	51,79	48,48	52,05	36,38	108,60
94	1931	50,47	52,85	37,54	49,28	40,76	104,26
95	1932	50,64	53,29	41,05	50,21	41,56	91,51
96	1933	50,09	54,84	38,95	50,45	41,52	93,27
97	1934	48,49	60,69	42,27	53,58	40,04	113,83
98	1935	48,39	61,33	44,98	54,38	44,55	118,54
99	1936		61,51		43,31		
100	1937		59,92		42,19		
101	1938		57,26		40,32		
102	1939		54,81	34,95	38,59		
103	1940	51,13	50,85	45,16	49,87	28,21	121,51
104	1941	55,19	46,22	45,93	48,87	32,40	136,52
105	1942	60,24	43,47	47,12	49,20	30,68	124,58
106	1943	66,52	42,58	43,46	49,95	32,43	154,58
107	1944	68,68	41,57	47,45	50,83	36,15	159,82
108	1945	57,75	39,41	47,86	46,51	37,09	181,07
109	1946	61,79	36,53	52,80	47,17	39,10	192,85
110	1947	65,99	33,69	57,88	47,93	41,93	205,29
111	1948	75,16	32,69	59,52	50,48	47,86	200,02
112	1949	74,15	34,63	63,67	51,94	51,45	188,27
113	1950	79,55	35,82	70,99	55,55	56,13	191,33
114	1951	84,39	37,38	65,94	56,86	52,97	98,70
115	1952	91,18	45,30	78,68	65,34	56,83	102,89
116	1953	92,35	58,08	84,44	73,32	60,03	103,49
117	1954	89,70	60,78	77,66	72,64	64,71	100,09
118	1955	89,52	67,14	79,00	76,09	66,83	94,26
119	1956	94,39	86,68	82,01	88,13	74,33	98,78
120	1957	99,04	95,57	93,44	96,22	83,80	101,49
121	1958	100,00	100,00	100,00	100,00	100,00	100,00
122	1959	92,67	104,44	99,81	100,03	110,30	93,91
123	1960	79,33	112,18	106,78	101,28	114,48	87,28
124	1961	82,12	136,21	115,83	116,12	96,56	88,82
125	1962	89,27	147,40	119,76	124,74	101,12	94,18
126	1963	96,45	171,09	125,93	140,19	106,21	99,02
127	1964	106,63	194,78	133,68	156,84	122,47	102,56

Table B.6 TRANSPORT AND COMMUNICATIONS INDICES, 1850-1964 (1958=100)

	A	H	I	J
1		Telephone	Communications	Transport &
2		Services		Communications
3				
4				
5				
6		TFN058	COM58	TPTCOM58
7	1850		0,80	1,13
8	1851		0,81	1,26
9	1852		0,92	1,41
10	1853		0,97	1,50
11	1854		0,98	1,69
12	1855		1,12	1,47
13	1856		1,18	1,52
14	1857		1,51	1,94
15	1858		1,66	2,09
16	1859		1,81	2,11
17	1860		2,12	2,46
18	1861		2,58	2,68
19	1862		2,78	2,91
20	1863		2,95	3,35
21	1864		3,40	3,53
22	1865		3,92	3,72
23	1866		3,70	3,95
24	1867		3,46	3,61
25	1868		3,58	3,93
26	1869		3,72	3,98
27	1870		4,47	4,11
28	1871		4,41	4,42
29	1872		4,38	4,88
30	1873		4,40	4,88
31	1874		4,39	4,54
32	1875		6,01	5,13
33	1876		5,98	5,28
34	1877		6,32	6,02
35	1878		6,99	5,96
36	1879		7,34	6,04
37	1880		7,72	7,18
38	1881		8,68	7,20
39	1882		9,46	7,70
40	1883		10,53	8,83
41	1884		10,67	8,86
42	1885		10,99	8,77
43	1886		11,57	8,75
44	1887		12,18	8,97
45	1888		13,16	9,23
46	1889		14,14	9,54
47	1890		14,94	10,01
48	1891		16,60	10,13
49	1892		17,23	10,07
50	1893		14,65	10,23
51	1894		16,34	10,61
52	1895		17,41	11,20
53	1896		17,64	11,82
54	1897		18,13	12,63
55	1898		19,81	13,34
56	1899		19,97	14,46
57	1900		21,29	14,67
58	1901		21,53	14,64
59	1902		22,32	14,89
60	1903		22,67	16,35
61	1904		22,77	15,98
62	1905		24,07	16,46
63	1906		23,39	16,61
64	1907		22,46	17,26
65	1908		22,76	17,35
66	1909		24,08	17,52
67	1910		26,04	18,14
68	1911		26,09	18,00
69	1912		27,16	19,72
70	1913		29,89	20,84

Table B.6 TRANSPORT AND COMMUNICATIONS INDICES, 1850-1964 (1958=100)

	A	H	I	J
71		Telephone	Communications	Transport &
72		Services		Communications
73				
74				
75				
76		TFN058	COM58	TPTCOM58
77	1914		32,70	20,54
78	1915		34,76	21,32
79	1916		38,84	23,47
80	1917		45,72	24,74
81	1918		48,27	25,66
82	1919		54,08	26,20
83	1920		56,06	29,17
84	1921		57,39	30,43
85	1922		59,34	32,49
86	1923		55,44	35,79
87	1924		51,35	37,95
88	1925		51,47	39,84
89	1926	4,36	48,26	40,91
90	1927	5,42	53,99	43,70
91	1928	7,03	48,32	45,91
92	1929	9,68	48,38	50,35
93	1930	12,27	48,41	51,75
94	1931	13,56	49,84	49,33
95	1932	15,70	47,58	49,99
96	1933	17,18	48,37	50,28
97	1934	18,29	53,05	53,54
98	1935	20,59	57,06	54,60
99	1936	17,11	47,41	43,65
100	1937	15,28	42,33	42,20
101	1938	22,74	63,01	42,20
102	1939	19,06	52,80	39,77
103	1940	26,40	51,08	49,97
104	1941	30,05	57,84	49,61
105	1942	28,79	53,68	49,58
106	1943	37,37	64,20	51,14
107	1944	39,79	67,98	52,26
108	1945	40,44	73,92	48,79
109	1946	40,91	77,99	49,73
110	1947	43,82	83,24	50,86
111	1948	45,24	85,24	53,37
112	1949	48,25	84,86	54,68
113	1950	53,31	89,22	58,34
114	1951	59,67	66,08	57,63
115	1952	63,83	70,09	65,74
116	1953	67,21	72,69	73,27
117	1954	70,64	75,04	72,84
118	1955	76,43	76,09	76,09
119	1956	86,78	83,56	87,75
120	1957	91,47	90,14	95,71
121	1958	100,00	100,00	100,00
122	1959	106,13	105,16	100,46
123	1960	98,90	103,79	101,49
124	1961	104,98	96,73	114,51
125	1962	113,97	102,60	122,90
126	1963	111,20	105,66	137,32
127	1964	125,68	118,29	153,63

Table B.7 INDICES OF REAL GDP AT FACTOR COSTS AND ITS COMPONENTS, 1850-1964 (1958=100)

	A	B	C	D	E	F
1		Agriculture	Industry &	Services	Real Gross	Real GDP
2		Forestry &	Construction		Domestic	per head
3		Fishing			Product	
4						
5						
6		AGY58	IPIC058	SER58	RGDP58	RGDPPC58
7	1850	37,25	6,89	15,63	17,53	35,08
8	1851	37,84	7,24	15,60	17,79	35,39
9	1852	36,87	8,08	15,89	17,98	35,58
10	1853	40,12	7,55	16,02	18,60	36,62
11	1854	40,32	7,52	16,07	18,66	36,53
12	1855	41,78	8,10	16,07	19,21	37,41
13	1856	40,50	9,53	16,05	19,41	37,61
14	1857	41,12	10,60	16,67	20,20	38,94
15	1858	43,16	11,07	16,91	20,93	40,18
16	1859	41,32	12,54	17,27	21,18	40,50
17	1860	43,19	13,15	17,44	21,91	41,74
18	1861	42,86	14,38	17,60	22,34	42,40
19	1862	44,40	14,28	17,90	22,79	43,10
20	1863	45,13	14,48	18,22	23,16	43,65
21	1864	46,19	13,85	18,52	23,30	43,76
22	1865	47,46	13,33	18,66	23,47	43,92
23	1866	46,90	12,08	18,47	22,81	42,54
24	1867	41,25	12,57	18,19	21,55	40,06
25	1868	43,23	11,73	17,93	21,61	40,02
26	1869	39,58	11,73	18,42	20,95	38,67
27	1870	45,00	12,05	18,77	22,47	41,34
28	1871	49,80	13,66	19,88	24,63	45,14
29	1872	62,95	14,79	20,70	28,44	51,94
30	1873	51,59	17,15	21,52	26,96	49,08
31	1874	51,89	15,84	21,58	26,59	48,23
32	1875	49,50	16,37	22,60	26,64	48,15
33	1876	58,62	17,34	21,78	28,78	51,84
34	1877	55,41	18,70	22,04	28,63	51,38
35	1878	49,08	19,12	22,08	27,32	48,81
36	1879	53,76	19,71	22,15	28,65	50,91
37	1880	55,98	21,18	23,41	30,21	53,39
38	1881	55,60	23,55	23,66	31,07	54,62
39	1882	58,94	24,35	24,31	32,40	56,66
40	1883	61,94	25,60	25,07	33,87	58,89
41	1884	63,00	24,07	25,37	33,69	58,26
42	1885	61,92	24,51	25,38	33,60	57,79
43	1886	59,95	22,68	25,49	32,52	55,64
44	1887	58,12	22,72	25,66	32,18	54,75
45	1888	58,02	23,91	25,70	32,60	55,20
46	1889	56,08	24,91	25,59	32,46	54,72
47	1890	52,54	26,09	25,79	32,14	53,94
48	1891	53,54	27,67	25,98	33,02	55,16
49	1892	61,85	28,54	26,30	35,40	58,88
50	1893	55,70	29,45	26,53	34,39	56,94
51	1894	58,50	27,67	26,98	34,59	57,01
52	1895	58,11	27,80	26,85	34,49	56,60
53	1896	47,91	25,86	26,62	31,32	51,17
54	1897	58,98	24,74	27,04	33,67	54,76
55	1898	63,15	27,91	28,42	36,34	58,85
56	1899	59,45	30,36	28,91	36,56	58,94
57	1900	60,34	32,49	28,96	37,55	60,27
58	1901	71,86	31,77	29,14	40,06	63,97
59	1902	67,97	30,59	29,77	38,98	61,83
60	1903	67,02	31,43	29,98	39,15	61,66
61	1904	64,37	31,27	30,18	38,55	60,30
62	1905	65,13	30,93	30,28	38,65	60,20
63	1906	70,88	32,27	30,93	40,74	62,84
64	1907	70,78	33,80	31,28	41,40	63,43
65	1908	71,95	35,67	31,80	42,56	64,76
66	1909	76,66	33,05	31,98	42,79	64,66
67	1910	65,90	34,42	32,91	41,15	61,75
68	1911	82,52	35,83	33,77	45,89	68,39
69	1912	70,73	39,76	35,28	45,16	66,86
70	1913	72,50	38,31	36,07	45,38	66,73

Table B.7 INDICES OF REAL GDP AT FACTOR COSTS AND ITS COMPONENTS, 1850-1964 (1958=100)

	A	B	C	D	E	F
71		Agriculture	Industry &	Services	Real Gross	Real GDP
72		Forestry &	Construction		Domestic	per head
73		Fishing			Product	
74						
75						
76		AGY58	IPIC058	SER58	RGDP58	RGDPPC58
77	1914	68,24	37,75	36,14	44,21	64,58
78	1915	75,04	36,86	36,26	45,53	66,06
79	1916	78,98	38,94	36,50	47,29	68,16
80	1917	79,54	37,09	36,39	46,71	66,88
81	1918	80,67	37,14	36,40	47,00	66,85
82	1919	82,00	36,21	37,57	47,45	67,04
83	1920	85,03	38,97	39,94	50,11	70,33
84	1921	84,29	39,95	42,70	51,42	71,56
85	1922	86,94	41,83	43,63	53,09	73,15
86	1923	80,10	46,74	44,74	53,71	73,26
87	1924	81,38	49,16	47,52	56,01	75,63
88	1925	89,65	52,75	48,88	59,79	79,92
89	1926	82,33	54,87	50,43	59,47	78,70
90	1927	94,68	58,73	52,00	64,38	84,34
91	1928	82,12	61,65	54,32	63,44	82,28
92	1929	96,57	62,77	56,76	68,21	87,58
93	1930	85,21	63,17	56,81	65,72	83,53
94	1931	91,73	55,57	57,00	64,59	81,29
95	1932	100,52	53,47	58,34	66,44	82,84
96	1933	97,45	52,76	60,81	66,47	82,11
97	1934	101,46	54,23	62,76	68,72	84,10
98	1935	100,23	54,21	64,11	68,98	83,63
99	1936	89,10	39,36	59,31	59,09	73,95
100	1937	91,51	33,46	53,91	55,33	65,84
101	1938	86,89	36,59	53,15	55,07	64,92
102	1939	79,67	38,37	54,52	54,58	63,74
103	1940	81,89	42,64	59,09	58,50	67,67
104	1941	76,42	42,56	58,50	56,95	65,33
105	1942	79,16	46,13	60,99	59,89	68,16
106	1943	83,28	44,47	62,40	60,83	68,69
107	1944	89,88	48,66	62,55	63,93	71,64
108	1945	73,20	46,17	64,24	59,84	66,52
109	1946	82,90	51,57	62,15	63,19	69,71
110	1947	83,31	51,67	63,29	63,79	69,82
111	1948	78,82	51,01	63,18	62,45	67,83
112	1949	79,08	49,74	63,59	62,23	67,06
113	1950	79,92	54,26	64,90	64,58	69,05
114	1951	98,93	57,65	68,11	71,54	75,90
115	1952	97,89	66,31	73,12	76,46	80,41
116	1953	93,61	68,40	76,31	77,50	80,83
117	1954	98,79	73,77	80,21	82,23	85,05
118	1955	95,92	81,44	82,99	85,45	87,63
119	1956	94,08	87,53	90,82	90,40	91,93
120	1957	101,90	92,74	95,88	96,16	96,97
121	1958	100,00	100,00	100,00	100,00	100,00
122	1959	105,42	100,39	102,09	102,25	101,40
123	1960	106,03	104,25	108,79	106,51	104,74
124	1961	112,43	119,02	117,43	116,84	113,80
125	1962	110,60	132,52	128,39	125,72	121,17
126	1963	130,11	141,85	140,68	138,63	132,21
127	1964	118,77	157,22	149,01	144,90	136,74

Table C.1 PRICE INDICES FOR AGRICULTURE, INDUSTRY, IND. CONSTRUCT., SERVICES AND GDP, 1850-1964 (1958=100)

	A	B	C	D	E	F
1		Agriculture	Industry	Industry & Construction	Services	Gross Domestic Product
2						
3						
4						
5		PAGY58	PPIND58	PPINCO58	PSER58	PRGDP58
6	1850	4,23	4,50	6,24	5,24	4,88
7	1851	4,25	4,44	6,08	5,38	4,92
8	1852	3,56	4,21	5,82	5,09	4,48
9	1853	4,86	4,61	6,19	5,46	5,27
10	1854	4,81	4,66	6,33	5,59	5,30
11	1855	5,18	4,59	6,22	5,77	5,54
12	1856	5,36	4,70	6,16	6,40	5,85
13	1857	5,13	4,80	5,84	6,45	5,71
14	1858	4,83	4,56	5,24	5,99	5,29
15	1859	4,85	4,73	5,29	6,11	5,36
16	1860	5,05	4,68	4,97	6,25	5,42
17	1861	4,99	4,60	4,86	6,34	5,39
18	1862	5,03	4,59	4,60	6,47	5,39
19	1863	4,96	4,46	4,75	6,74	5,48
20	1864	4,92	4,61	5,23	6,87	5,62
21	1865	5,07	4,37	5,29	6,58	5,60
22	1866	4,73	4,20	5,34	6,67	5,49
23	1867	5,84	4,38	5,85	6,85	6,19
24	1868	5,33	4,57	6,16	6,60	5,92
25	1869	4,42	3,96	5,47	5,93	5,17
26	1870	5,04	3,73	5,05	6,28	5,46
27	1871	4,74	3,67	4,94	5,85	5,15
28	1872	4,91	3,74	5,00	5,82	5,19
29	1873	5,19	3,73	5,08	5,92	5,40
30	1874	5,09	3,76	4,94	5,97	5,35
31	1875	4,84	3,89	5,07	5,80	5,22
32	1876	4,93	3,74	4,74	5,87	5,18
33	1877	4,89	3,70	4,75	6,00	5,20
34	1878	5,30	3,53	4,62	5,94	5,34
35	1879	5,17	3,54	4,55	6,03	5,29
36	1880	4,76	3,52	4,42	5,77	4,99
37	1881	5,18	3,55	4,37	5,98	5,20
38	1882	5,69	3,52	4,24	6,22	5,46
39	1883	5,52	3,53	4,54	6,05	5,41
40	1884	5,35	3,24	3,82	5,78	5,09
41	1885	5,35	3,19	3,92	5,75	5,10
42	1886	5,60	3,08	3,64	5,69	5,14
43	1887	5,24	3,15	3,65	5,53	4,93
44	1888	5,00	3,39	3,75	5,54	4,84
45	1889	4,51	3,16	3,45	5,46	4,53
46	1890	4,67	3,31	3,73	5,39	4,63
47	1891	4,81	3,25	3,62	5,47	4,66
48	1892	4,33	3,44	3,65	5,46	4,47
49	1893	4,56	3,74	4,00	5,58	4,71
50	1894	4,29	3,58	3,93	5,34	4,52
51	1895	4,47	3,56	3,69	5,39	4,54
52	1896	4,77	3,73	3,80	5,55	4,75
53	1897	4,84	3,89	3,91	5,65	4,86
54	1898	4,85	4,54	4,50	5,93	5,10
55	1899	4,61	4,24	4,25	5,77	4,88
56	1900	4,71	4,41	4,42	6,08	5,05
57	1901	4,68	4,40	4,51	6,08	5,05
58	1902	4,67	4,34	4,51	6,03	5,05
59	1903	5,07	4,49	4,86	6,25	5,38
60	1904	5,30	4,50	4,84	6,27	5,48
61	1905	5,32	4,43	4,74	6,29	5,46
62	1906	4,92	4,35	4,68	6,10	5,21
63	1907	5,17	4,77	5,22	6,48	5,59
64	1908	4,67	4,56	4,61	6,21	5,12
65	1909	4,85	4,43	4,41	6,09	5,10
66	1910	4,80	4,29	4,34	6,04	5,06
67	1911	4,86	4,31	4,33	5,96	5,04
68	1912	5,10	4,26	4,22	6,01	5,11
69	1913	5,27	4,46	4,41	6,06	5,26

Table C.1 PRICE INDICES FOR AGRICULTURE, INDUSTRY, IND. CONSTRUCTION, SERVICES AND GDP, 1850-1964 (1958=100)

	A	B	C	D	E	F
70		Agriculture	Industry	Industry &	Services	Gross
71				Construction		Domestic
72						Product
73						
74		PAGY58	PPIND58	PPINCO58	PSER58	PRGDP58
75	1914	5,35	4,44	4,40	6,07	5,30
76	1915	6,45	4,95	4,91	6,52	6,02
77	1916	6,89	5,83	5,77	7,40	6,72
78	1917	7,04	6,55	6,53	8,33	7,30
79	1918	8,55	8,50	8,48	10,56	9,16
80	1919	9,74	8,81	8,74	11,47	10,02
81	1920	10,95	9,73	9,75	12,22	11,02
82	1921	9,17	8,58	8,28	10,55	9,39
83	1922	9,00	8,04	8,32	10,27	9,23
84	1923	8,46	8,15	8,30	10,32	9,04
85	1924	9,56	8,35	8,42	10,70	9,59
86	1925	9,88	8,42	8,47	10,86	9,76
87	1926	9,15	8,13	8,17	10,31	9,22
88	1927	9,54	7,60	7,72	10,25	9,18
89	1928	8,69	7,70	7,81	9,96	8,83
90	1929	8,97	8,18	8,21	10,14	9,12
91	1930	8,61	8,46	8,46	10,16	9,11
92	1931	9,13	8,19	8,29	10,15	9,24
93	1932	8,99	7,80	7,99	9,92	9,03
94	1933	8,12	7,57	7,76	9,44	8,51
95	1934	8,87	7,49	7,66	9,76	8,86
96	1935	8,43	7,88	8,02	9,75	8,81
97	1936	8,30	8,08	8,29	9,85	8,93
98	1937	9,81	8,95	9,10	11,07	10,15
99	1938	11,39	9,94	10,10	12,45	11,50
100	1939	13,41	11,61	11,79	14,08	13,27
101	1940	16,61	13,53	13,82	17,13	16,09
102	1941	20,37	16,21	16,16	20,18	19,16
103	1942	24,40	17,39	17,40	21,67	21,33
104	1943	25,13	18,39	18,41	23,13	22,53
105	1944	28,99	20,50	20,25	25,22	25,10
106	1945	30,47	23,57	22,89	28,42	27,47
107	1946	37,30	26,13	25,84	33,95	32,60
108	1947	38,96	30,06	29,48	38,63	36,06
109	1948	40,58	33,44	32,82	41,35	38,62
110	1949	44,97	36,80	36,05	45,01	42,42
111	1950	55,51	46,18	45,35	53,58	51,65
112	1951	58,49	65,29	65,79	64,82	63,06
113	1952	56,81	65,73	67,18	64,81	63,16
114	1953	58,58	71,19	72,09	67,60	66,48
115	1954	58,59	74,30	75,46	69,07	68,19
116	1955	63,34	76,65	77,56	71,59	71,47
117	1956	75,46	79,65	80,33	77,89	78,15
118	1957	86,97	92,17	93,14	90,66	90,61
119	1958	100,00	100,00	100,00	100,00	100,00
120	1959	94,03	102,48	105,85	101,86	101,39
121	1960	94,79	108,51	111,67	105,07	105,00
122	1961	99,67	111,79	111,22	109,06	107,74
123	1962	109,52	114,96	114,91	114,78	113,75
124	1963	111,34	117,11	117,81	119,71	117,18
125	1964	116,74	125,44	125,86	126,50	124,38

Table C.2 GDP AT FACTOR COSTS AND ITS COMPONENTS, 1850-1964 (million pesetas)

	A	B	C	D	E	F
1		Agriculture	Industry &	Services	Gross	GDP
2		Forestry &	Construction		Domestic	per head
3		Fishing			Product	
4						
5						
6		VAGY	VPINCO	VSER	NGDP	NGDPPC
7	1850	2014	847	1827	4688	315
8	1851	2056	867	1872	4796	320
9	1852	1679	925	1803	4407	293
10	1853	2493	920	1951	5363	354
11	1854	2479	938	2002	5419	356
12	1855	2765	992	2069	5826	381
13	1856	2773	1156	2289	6218	404
14	1857	2697	1220	2397	6314	409
15	1858	2663	1142	2256	6061	390
16	1859	2562	1306	2351	6219	399
17	1860	2785	1288	2432	6504	416
18	1861	2735	1375	2487	6598	420
19	1862	2851	1295	2580	6726	427
20	1863	2862	1355	2738	6954	440
21	1864	2902	1427	2836	7165	452
22	1865	3072	1387	2735	7195	452
23	1866	2834	1270	2748	6852	429
24	1867	3081	1446	2780	7307	456
25	1868	2944	1423	2637	7005	435
26	1869	2237	1262	2435	5934	368
27	1870	2897	1198	2627	6722	415
28	1871	3018	1328	2593	6939	427
29	1872	3947	1457	2685	8088	496
30	1873	3425	1716	2840	7980	487
31	1874	3375	1540	2872	7788	474
32	1875	3060	1632	2922	7614	462
33	1876	3695	1618	2853	8165	494
34	1877	3460	1749	2949	8158	491
35	1878	3323	1739	2925	7987	479
36	1879	3554	1767	2979	8300	495
37	1880	3404	1842	3012	8258	490
38	1881	3677	2024	3153	8854	522
39	1882	4282	2031	3371	9683	568
40	1883	4365	2290	3382	10037	586
41	1884	4305	1810	3270	9384	545
42	1885	4231	1894	3251	9376	541
43	1886	4290	1625	3234	9149	525
44	1887	3894	1635	3166	8695	496
45	1888	3707	1766	3175	8647	491
46	1889	3233	1694	3117	8044	455
47	1890	3135	1916	3101	8152	459
48	1891	3293	1970	3168	8432	473
49	1892	3424	2051	3199	8674	484
50	1893	3245	2318	3303	8866	493
51	1894	3207	2140	3209	8556	473
52	1895	3320	2022	3227	8569	472
53	1896	2920	1937	3293	8149	447
54	1897	3649	1902	3406	8957	489
55	1898	3915	2474	3757	10146	551
56	1899	3499	2543	3720	9762	528
57	1900	3631	2827	3927	10386	559
58	1901	4295	2823	3949	11067	593
59	1902	4052	2717	4003	10772	573
60	1903	4346	3008	4175	11528	609
61	1904	4360	2980	4221	11560	607
62	1905	4425	2884	4246	11555	604
63	1906	4457	2971	4203	11631	602
64	1907	4675	3475	4518	12668	651
65	1908	4294	3235	4400	11929	609
66	1909	4751	2871	4339	11962	607
67	1910	4038	2938	4433	11410	575
68	1911	5126	3055	4490	12670	634
69	1912	4613	3302	4726	12640	628
70	1913	4878	3327	4872	13077	645

Table C.2 GDP AT FACTOR COSTS AND ITS COMPONENTS, 1850-1964 (million pesetas)

	A	B	C	D	E	F
71		Agriculture	Industry &	Services	Cross	GDP
72		Forestry &	Construction		Domestic	per head
73		Fishing			Product	
74						
75						
76		VAGY	VPINCO	VSER	NGDP	NGDPPC
77	1914	4663	3273	4887	12822	629
78	1915	6186	3563	5267	15016	731
79	1916	6958	4426	6024	17408	842
80	1917	7159	4765	6757	18682	898
81	1918	8814	6198	8567	23580	1126
82	1919	10203	6229	9606	26039	1235
83	1920	11898	7478	10877	30253	1425
84	1921	9876	6514	10041	26430	1234
85	1922	10001	6849	9987	26836	1241
86	1923	8661	7637	10290	26588	1217
87	1924	9945	8146	11336	29427	1333
88	1925	11319	8795	11829	31943	1433
89	1926	9623	8820	11590	30033	1334
90	1927	11548	8926	11879	32352	1422
91	1928	9124	9478	12063	30665	1335
92	1929	11073	10146	12833	34052	1467
93	1930	9379	10526	12873	32778	1398
94	1931	10696	9070	12901	32667	1380
95	1932	11550	8408	12899	32857	1375
96	1933	10115	8057	12793	30966	1284
97	1934	11500	8175	13652	33328	1369
98	1935	10795	8564	13936	33295	1355
99	1936	9451	6422	13017	28891	1213
100	1937	11468	5992	13302	30763	1228
101	1938	12642	7275	14748	34665	1371
102	1939	13651	8905	17109	39665	1554
103	1940	17382	11600	22563	51545	2001
104	1941	19891	13540	26317	59748	2300
105	1942	24680	15801	29472	69953	2672
106	1943	26739	16114	32182	75035	2844
107	1944	33300	19399	35163	87862	3304
108	1945	28499	20802	40704	90004	3358
109	1946	39518	26234	47043	112795	4176
110	1947	41474	29986	54503	125964	4627
111	1948	40868	32960	58240	132068	4813
112	1949	45441	35296	63810	144548	5228
113	1950	56690	48448	77525	182664	6555
114	1951	73938	74659	98425	247023	8795
115	1952	71059	87696	105652	264407	9332
116	1953	70076	97064	114995	282135	9875
117	1954	73961	109575	123498	307034	10656
118	1955	77638	124347	132440	334426	11510
119	1956	90718	138416	157701	386835	13202
120	1957	113257	170036	193789	477081	16146
121	1958	127786	196858	222929	547574	18376
122	1959	126671	209190	231808	567669	18891
123	1960	128432	229165	254812	612410	20210
124	1961	143194	260583	285507	689284	22532
125	1962	154785	299776	328518	783079	25328
126	1963	185116	328983	375422	889521	28468
127	1964	177175	389543	420218	986936	31254

Table C.3 GROSS VALUE ADDED IN AGRICULTURE, FORESTRY AND FISHING, 1850-1964 (million pesetas)

	A	B	C	D	E
1		Agriculture	Forestry	Fishing	Agriculture,
2					Forestry &
3					Fishing
4					
5					
6		IPAVA	PESCA	SILVA	VAGY
7	1850	1974	8		2014
8	1851	2015	8		2056
9	1852	1645	7		1679
10	1853	2444	10		2493
11	1854	2430	10		2479
12	1855	2710	11		2765
13	1856	2717	11		2773
14	1857	2643	11		2697
15	1858	2610	11		2663
16	1859	2510	11		2562
17	1860	2729	12		2785
18	1861	2680	12		2735
19	1862	2793	12		2851
20	1863	2804	12		2862
21	1864	2843	12		2902
22	1865	3010	13		3072
23	1866	2776	12		2834
24	1867	3016	16		3081
25	1868	2883	15		2944
26	1869	2189	12		2237
27	1870	2836	15		2897
28	1871	2956	14		3018
29	1872	3869	15		3947
30	1873	3354	16		3425
31	1874	3305	16		3375
32	1875	2995	16		3060
33	1876	3619	16		3695
34	1877	3388	17		3460
35	1878	3246	23		3323
36	1879	3479	18		3554
37	1880	3332	17		3404
38	1881	3599	19		3677
39	1882	4191	22		4282
40	1883	4275	20		4365
41	1884	4214	21		4305
42	1885	4141	22		4231
43	1886	4198	23		4290
44	1887	3809	22		3894
45	1888	3629	19		3707
46	1889	3162	19		3233
47	1890	3063	21		3135
48	1891	3223	17		3293
49	1892	3350	19		3424
50	1893	3170	22		3245
51	1894	3134	22		3207
52	1895	3244	23		3320
53	1896	2848	25		2920
54	1897	3565	26		3649
55	1898	3825	27		3915
56	1899	3417	26		3499
57	1900	3546	27		3631
58	1901	4199	28	69	4295
59	1902	3953	28	71	4052
60	1903	4233	31	81	4346
61	1904	4249	30	80	4360
62	1905	4298	34	94	4425
63	1906	4342	29	87	4457
64	1907	4542	41	93	4675
65	1908	4164	39	91	4294
66	1909	4628	38	85	4751
67	1910	3904	37	97	4038
68	1911	4991	38	97	5126
69	1912	4452	45	115	4613
70	1913	4697	45	135	4878

Table C.3 GROSS VALUE ADDED IN AGRICULTURE, FORESTRY AND FISHING, 1850-1964 (million pesetas)

	A	B	C	D	E
71		Agriculture	Forestry	Fishing	Agriculture,
72					Forestry &
73					Fishing
74					
75					
76		IPAVA	PESCA	SILVA	VAGY
77	1914	4493	47	123	4663
78	1915	5991	49	147	6186
79	1916	6737	59	161	6958
80	1917	6922	57	181	7159
81	1918	8443	149	223	8814
82	1919	9793	156	254	10203
83	1920	11351	244	304	11898
84	1921	9391	224	261	9876
85	1922	9517	193	291	10001
86	1923	8201	184	277	8661
87	1924	9455	176	314	9945
88	1925	10794	181	343	11319
89	1926	9168	154	301	9623
90	1927	11039	146	362	11548
91	1928	8631	145	348	9124
92	1929	10479	192	402	11073
93	1930	8809	199	371	9379
94	1931	10077	186	433	10696
95	1932	10951	201	398	11550
96	1933	9559	201	355	10115
97	1934	10883	229	388	11500
98	1935	10188	239	368	10795
99	1936	8920			9451
100	1937	10823			11468
101	1938	11931			12642
102	1939	12883			13651
103	1940	16330	478	574	17382
104	1941	18578	644	669	19891
105	1942	23037	652	990	24680
106	1943	24583	688	1468	26739
107	1944	31004	703	1593	33300
108	1945	25887	831	1781	28499
109	1946	35962	1118	2438	39518
110	1947	37462	1348	2664	41474
111	1948	36908	1216	2744	40868
112	1949	41412	1505	2525	45441
113	1950	51502	1795	3393	56690
114	1951	67940	2041	3957	73938
115	1952	64995	2034	4030	71059
116	1953	63999	2104	3972	70076
117	1954	67626	2091	4244	73961
118	1955	69714	2761	5163	77638
119	1956	80930	3007	6781	90718
120	1957	101522	3532	8203	113257
121	1958	114530	4030	9226	127786
122	1959	114271	4468	7932	126671
123	1960	115377	5028	8027	128432
124	1961	128219	5381	9594	143194
125	1962	137704	6249	10832	154785
126	1963	167154	7385	10577	185116
127	1964	157896	8118	11162	177175

Table C.4 GROSS VALUE ADDED IN INDUSTRY AND CONSTRUCTION, 1850-1964 (million pesetas)

	A	B	C	D	E	F	G
1		Manufacturing	Mining	Utilities	Industry	Construction	Industry &
2							Construction
3							
4							
5		VMAFL	VMN	VUTIL	VPIND	VPIC	VPINCO
6	1850	486	37		525		847
7	1851	491	45		538		867
8	1852	531	40		573		925
9	1853	503	65		570		920
10	1854	523	57		581		938
11	1855	554	59		615		992
12	1856	646	68		717		1156
13	1857	688	65		756		1220
14	1858	646	59		708		1142
15	1859	735	72		810		1306
16	1860	704	91		798		1288
17	1861	744	106	3	853		1375
18	1862	710	89	4	803		1295
19	1863	761	75	4	840		1355
20	1864	777	102	5	884		1427
21	1865	753	102	5	860		1387
22	1866	705	78	4	787		1270
23	1867	804	89	4	896		1446
24	1868	792	87	4	882		1423
25	1869	692	85	4	782		1262
26	1870	644	94	5	743		1198
27	1871	714	104	5	823		1328
28	1872	785	112	6	903		1457
29	1873	970	86	8	1064		1716
30	1874	866	81	8	955		1540
31	1875	899	106	7	1012		1632
32	1876	902	94	7	1003		1618
33	1877	979	96	9	1084	665	1749
34	1878	943	95	7	1045	694	1739
35	1879	991	92	9	1091	675	1767
36	1880	1057	119	10	1185	657	1842
37	1881	1218	117	10	1346	678	2024
38	1882	1203	141	14	1358	673	2031
39	1883	1266	146	15	1427	863	2290
40	1884	1115	136	14	1266	544	1810
41	1885	1162	115	15	1291	603	1894
42	1886	1001	130	14	1145	480	1625
43	1887	1024	145	16	1185	450	1635
44	1888	1105	210	37	1352	414	1766
45	1889	1115	168	21	1304	389	1694
46	1890	1192	183	24	1398	518	1916
47	1891	1245	167	30	1442	528	1970
48	1892	1431	152	31	1614	437	2051
49	1893	1591	150	32	1774	544	2318
50	1894	1443	135	32	1610	530	2140
51	1895	1419	135	32	1587	435	2022
52	1896	1421	152	38	1611	326	1937
53	1897	1412	161	45	1617	285	1902
54	1898	1845	240	52	2137	337	2474
55	1899	1793	277	66	2136	407	2543
56	1900	1982	277	93	2353	474	2827
57	1901	1951	264	99	2314	509	2823
58	1902	1817	260	91	2168	549	2717
59	1903	1950	263	87	2300	708	3008
60	1904	1984	255	82	2321	659	2980
61	1905	1895	265	83	2243	641	2884
62	1906	1887	295	89	2272	699	2971
63	1907	2314	311	93	2719	756	3475
64	1908	2365	260	106	2731	503	3235
65	1909	2064	248	111	2423	448	2871
66	1910	2077	242	113	2432	507	2938
67	1911	2161	234	124	2519	535	3055
68	1912	2346	252	159	2757	545	3302
69	1913	2322	295	181	2798	529	3327

Table C.4 GROSS VALUE ADDED IN INDUSTRY AND CONSTRUCTION, 1850-1964 (million pesetas)

	A	B	C	D	E	F	G
70		Manufacturing	Mining	Utilities	Industry	Construction	Industry &
71							Construction
72							
73							
74		VMAFL	VMN	VUTIL	VPIND	VPIC	VPINCO
75	1914	2313	231	228	2771	502	3273
76	1915	2598	260	229	3087	476	3563
77	1916	3265	410	253	3928	498	4426
78	1917	3631	408	278	4317	448	4765
79	1918	5046	401	242	5689	510	6198
80	1919	5028	327	228	5583	646	6229
81	1920	5905	415	346	6665	813	7478
82	1921	5193	259	348	5800	713	6514
83	1922	4934	223	401	5558	1291	6849
84	1923	5641	318	436	6396	1241	7637
85	1924	6037	376	492	6905	1241	8146
86	1925	6424	430	554	7408	1387	8795
87	1926	6460	405	564	7428	1392	8820
88	1927	6432	363	611	7406	1520	8926
89	1928	6753	364	804	7921	1557	9478
90	1929	7371	462	739	8572	1574	10146
91	1930	7646	448	816	8910	1616	10526
92	1931	6318	347	880	7545	1525	9070
93	1932	5730	275	899	6904	1504	8408
94	1933	5473	250	921	6643	1414	8057
95	1934	5661	233	959	6852	1323	8175
96	1935	5863	277	1212	7353	1212	8564
97	1936	4085	188	1043	5316	1106	6422
98	1937	3889	139	933	4960	1032	5992
99	1938	4709	246	1091	6047	1228	7275
100	1939	6200	339	1110	7649	1255	8905
101	1940	8263	450	1194	9907	1693	11600
102	1941	9979	562	1175	11716	1824	13540
103	1942	11593	603	1477	13673	2128	15801
104	1943	11800	613	1557	13970	2145	16114
105	1944	14851	767	1538	17156	2243	19399
106	1945	16391	847	1288	18526	2275	20802
107	1946	20508	1128	1654	23290	2944	26234
108	1947	23407	1237	2020	26664	3323	29986
109	1948	25361	1561	2265	29187	3773	32960
110	1949	27236	1875	2029	31140	4156	35296
111	1950	37645	2530	2705	42880	5568	48448
112	1951	58163	3594	3237	64994	9665	74659
113	1952	67460	5127	3801	76388	11308	87696
114	1953	73805	5878	5096	84779	12285	97064
115	1954	82524	6197	5333	94054	15521	109575
116	1955	93468	6665	6694	106827	17521	124347
117	1956	104488	7877	7614	119978	18438	138416
118	1957	127597	10049	9736	147382	22654	170036
119	1958	147911	10975	12159	171046	25813	196858
120	1959	153599	9652	13595	176845	32345	209190
121	1960	168844	9947	14409	193200	35965	229165
122	1961	205512	10484	16012	232008	28575	260583
123	1962	235012	10013	20900	265925	33851	299776
124	1963	253329	9903	23726	286957	42026	328983
125	1964	302486	9753	26956	339194	50349	389543

Table C.5 GROSS VALUE ADDED IN SERVICES, 1850-1964 (million pesetas)

	A	B	C	D	E	F	G
1		Public	Education	Liberal	Domestic	Commerce	Banking
2		Administration	& Health	Professions	Service		
3							
4							
5							
6		GVT	IED	PROLIB	SERDOM	TRADE	BANK
7	1850	242	34	272	382	660	3
8	1851	235	35	285	400	665	3
9	1852	242	35	279	382	615	3
10	1853	263	33	262	412	738	3
11	1854	248	36	285	408	755	4
12	1855	233	39	309	407	793	4
13	1856	246	44	344	489	845	5
14	1857	291	46	354	494	866	6
15	1858	297	39	301	484	831	7
16	1859	298	46	350	438	866	8
17	1860	321	46	344	478	883	7
18	1861	324	46	343	504	903	6
19	1862	324	50	370	499	929	8
20	1863	330	58	420	508	940	8
21	1864	343	62	435	515	970	10
22	1865	338	60	405	495	951	6
23	1866	337	63	436	507	880	6
24	1867	333	59	405	524	961	7
25	1868	311	51	360	531	905	5
26	1869	302	52	365	450	793	6
27	1870	318	57	401	478	854	9
28	1871	318	48	336	466	944	9
29	1872	337	48	332	447	1028	8
30	1873	426	48	331	458	1080	6
31	1874	507	49	341	473	1007	9
32	1875	566	45	310	469	1031	11
33	1876	420	49	335	465	1048	12
34	1877	410	52	356	471	1051	13
35	1878	403	51	351	463	1061	16
36	1879	395	52	362	488	1077	16
37	1880	425	50	348	473	1086	24
38	1881	415	51	356	500	1193	25
39	1882	436	53	374	525	1312	19
40	1883	423	52	362	510	1338	19
41	1884	429	47	334	512	1289	22
42	1885	443	47	335	512	1254	23
43	1886	449	47	337	492	1247	27
44	1887	458	45	330	483	1192	30
45	1888	461	46	339	478	1185	33
46	1889	443	48	348	471	1107	36
47	1890	449	45	327	445	1149	31
48	1891	441	47	346	430	1176	38
49	1892	452	49	359	428	1196	33
50	1893	428	48	353	428	1331	32
51	1894	435	47	342	397	1285	27
52	1895	430	50	365	381	1260	34
53	1896	426	48	351	399	1311	36
54	1897	438	52	385	369	1345	42
55	1898	497	58	427	350	1540	70
56	1899	511	59	438	342	1439	64
57	1900	504	63	464	367	1567	62
58	1901	502	63	471	373	1578	61
59	1902	546	62	466	381	1590	55
60	1903	549	65	488	396	1650	60
61	1904	554	70	503	384	1694	59
62	1905	549	69	513	400	1686	57
63	1906	574	70	505	400	1629	59
64	1907	598	67	534	438	1800	58
65	1908	590	72	526	418	1712	58
66	1909	572	74	526	396	1686	62
67	1910	608	74	538	397	1711	63
68	1911	671	78	515	386	1761	65
69	1912	701	86	537	370	1867	66
70	1913	785	93	537	360	1886	67

Table C.5 GROSS VALUE ADDED IN SERVICES, 1850-1964 (million pesetas)

	A	B	C	D	E	F	G
71		Public	Education	Liberal	Domestic	Commerce	Banking
72		Administration	& Health	Professions	Service		
73							
74							
75							
76		GVT	IED	PROLIB	SERDOM	TRADE	BANK
77	1914	828	95	532	369	1856	70
78	1915	783	108	579	358	2132	89
79	1916	803	126	678	393	2514	105
80	1917	865	144	785	454	2740	137
81	1918	952	199	1133	505	3457	196
82	1919	1116	231	1149	560	3903	221
83	1920	1437	279	1145	617	4529	253
84	1921	1624	267	1008	586	3890	256
85	1922	1552	254	1005	606	3753	343
86	1923	1529	247	1063	645	3835	345
87	1924	1816	297	1206	667	4214	306
88	1925	1865	302	1308	711	4364	312
89	1926	1758	284	1318	712	4260	317
90	1927	1774	271	1351	755	4310	358
91	1928	1782	272	1395	767	4329	369
92	1929	1826	330	1535	740	4567	409
93	1930	1725	325	1630	768	4480	433
94	1931	1880	367	1757	778	4348	381
95	1932	1942	456	1850	783	4097	392
96	1933	2079	485	1884	776	3851	405
97	1934	2213	491	2064	816	3983	430
98	1935	2452	563	2212	846	3701	458
99	1936			2402	876	3265	378
100	1937			2560	719	3296	325
101	1938			2852	837	3633	357
102	1939		624	3227	990	4536	488
103	1940	4740	732	3819	1212	6031	792
104	1941	5108	870	4474	1559	7473	908
105	1942	5509	1086	4877	1689	8120	1793
106	1943	5853	1115	5394	1736	9092	1899
107	1944	6126	1182	5750	1898	10387	2153
108	1945	7386	1504	6328	2071	12010	2459
109	1946	7382	1497	7524	2773	14223	2994
110	1947	8262	1697	8748	3341	16629	3800
111	1948	8417	1880	9286	3742	18107	3865
112	1949	9294	2233	9849	4218	20124	4027
113	1950	10028	2510	11520	4830	25694	5014
114	1951	12395	3645	15196	5503	33823	6385
115	1952	13240	4088	15609	5718	35541	7846
116	1953	14253	4385	17030	6082	38707	8018
117	1954	16352	5453	17431	6287	41190	9034
118	1955	16382	5762	18445	6621	44828	10376
119	1956	21477	7390	20506	7009	52683	12748
120	1957	24646	9695	24366	7999	64700	16521
121	1958	28075	11985	27262	9255	74573	19240
122	1959	28694	12384	28355	10159	77631	19955
123	1960	32994	15355	29458	10544	84569	20984
124	1961	35168	17018	30798	10792	97970	24741
125	1962	44143	18530	32897	11548	114923	30758
126	1963	51437	24662	34941	12677	127479	39356
127	1964	56364	26895	36614	14271	139312	47511

Table C.5 GROSS VALUE ADDED IN SERVICES; 1850-1964 (million pesetas)

	A	H	I	J
1		Rent of	Transport &	Services
2		Dwellings	Communications	
3				
4				
5				
6		DWEL2	TPTCOM	VSER
7	1850	200	34	1827
8	1851	210	39	1872
9	1852	206	42	1803
10	1853	195	44	1951
11	1854	213	53	2002
12	1855	232	49	2069
13	1856	260	56	2289
14	1857	269	72	2397
15	1858	229	68	2256
16	1859	268	77	2351
17	1860	264	89	2432
18	1861	266	96	2487
19	1862	290	111	2580
20	1863	333	141	2738
21	1864	349	152	2836
22	1865	328	151	2735
23	1866	356	164	2748
24	1867	334	158	2780
25	1868	300	174	2637
26	1869	307	160	2435
27	1870	341	170	2627
28	1871	289	183	2593
29	1872	288	197	2685
30	1873	290	201	2840
31	1874	302	184	2872
32	1875	278	212	2922
33	1876	303	220	2853
34	1877	325	270	2949
35	1878	319	261	2925
36	1879	327	264	2979
37	1880	313	293	3012
38	1881	318	296	3153
39	1882	333	319	3371
40	1883	320	358	3382
41	1884	294	343	3270
42	1885	293	343	3251
43	1886	294	341	3234
44	1887	286	342	3166
45	1888	293	339	3175
46	1889	301	365	3117
47	1890	283	372	3101
48	1891	299	392	3168
49	1892	310	373	3199
50	1893	305	380	3303
51	1894	296	379	3209
52	1895	315	392	3227
53	1896	303	419	3293
54	1897	332	443	3406
55	1898	368	449	3757
56	1899	377	490	3720
57	1900	399	501	3927
58	1901	403	497	3949
59	1902	397	506	4003
60	1903	413	555	4175
61	1904	423	533	4221
62	1905	429	543	4246
63	1906	420	546	4203
64	1907	441	582	4518
65	1908	432	592	4400
66	1909	430	594	4339
67	1910	437	605	4433
68	1911	426	588	4490
69	1912	451	648	4726
70	1913	459	685	4872

Table C.5 GROSS VALUE ADDED IN SERVICES, 1850-1964 (million pesetas)

	A	H	I	J
1		Rent of	Transport &	Services
2		Dwellings	Communications	
3				
4				
5				
6		DWEL2	TPTCOM	VUSER
7	1850	200	34	1827
8	1851	210	39	1872
9	1852	206	42	1803
10	1853	195	44	1951
11	1854	213	53	2002
12	1855	232	49	2069
13	1856	260	56	2289
14	1857	269	72	2397
15	1858	229	68	2256
16	1859	268	77	2351
17	1860	264	89	2432
18	1861	266	96	2487
19	1862	290	111	2580
20	1863	333	141	2738
21	1864	349	152	2836
22	1865	328	151	2735
23	1866	356	164	2748
24	1867	334	158	2780
25	1868	300	174	2637
26	1869	307	160	2435
27	1870	341	170	2627
28	1871	289	183	2593
29	1872	288	197	2685
30	1873	290	201	2840
31	1874	302	184	2872
32	1875	278	212	2922
33	1876	303	220	2853
34	1877	325	270	2949
35	1878	319	261	2925
36	1879	327	264	2979
37	1880	313	293	3012
38	1881	318	296	3153
39	1882	333	319	3371
40	1883	320	358	3382
41	1884	294	343	3270
42	1885	293	343	3251
43	1886	294	341	3234
44	1887	286	342	3166
45	1888	293	339	3175
46	1889	301	365	3117
47	1890	283	372	3101
48	1891	299	392	3168
49	1892	310	373	3199
50	1893	305	380	3303
51	1894	296	379	3209
52	1895	315	392	3227
53	1896	303	419	3293
54	1897	332	443	3406
55	1898	368	449	3757
56	1899	377	490	3720
57	1900	399	501	3927
58	1901	403	497	3949
59	1902	397	506	4003
60	1903	413	555	4175
61	1904	423	533	4221
62	1905	429	543	4246
63	1906	420	546	4203
64	1907	441	582	4518
65	1908	432	592	4400
66	1909	430	594	4339
67	1910	437	605	4433
68	1911	426	588	4490
69	1912	451	648	4726
70	1913	459	685	4872

Table C.6 SECTORAL SHARES IN GDP, 1850-1964 (%)

	A	B	C	D	E	F	G
1		Agriculture,	Industry &	Services	Agriculture,	Industry &	Services
2		Forestry &	Construction		Forestry &	Construction	
3		Fishing			Fishing		
4		CURRENT	PRICES		1958	PRICES	
5							
6		SHAGY	SHIND	SHSER	SHA58	SH158	SHS58
7	1850	42,97	18,06	38,96	49,59	14,12	36,29
8	1851	42,88	18,09	39,04	49,66	14,64	35,70
9	1852	38,10	20,98	40,92	47,87	16,15	35,98
10	1853	46,48	17,15	36,37	50,34	14,60	35,06
11	1854	45,75	17,31	36,94	50,44	14,49	35,07
12	1855	47,47	17,03	35,51	50,77	15,16	34,07
13	1856	44,60	18,60	36,81	48,69	17,66	33,66
14	1857	42,71	19,32	37,97	47,52	18,87	33,60
15	1858	43,94	18,84	37,23	48,12	19,00	32,88
16	1859	41,20	21,00	37,80	45,52	21,28	33,20
17	1860	42,82	19,80	37,39	46,01	21,58	32,41
18	1861	41,45	20,85	37,70	44,78	23,14	32,07
19	1862	42,39	19,25	38,36	45,48	22,54	31,99
20	1863	41,15	19,49	39,36	45,49	22,48	32,03
21	1864	40,50	19,91	39,58	46,27	21,38	32,36
22	1865	42,70	19,28	38,02	47,20	20,43	32,37
23	1866	41,36	18,53	40,11	47,99	19,05	32,97
24	1867	42,16	19,79	38,04	44,67	20,96	34,36
25	1868	42,03	20,32	37,65	46,69	19,52	33,79
26	1869	37,70	21,26	41,03	44,10	20,12	35,78
27	1870	43,09	17,82	39,08	46,74	19,27	33,99
28	1871	43,49	19,14	37,37	47,20	19,94	32,87
29	1872	48,80	18,01	33,19	51,67	18,70	29,63
30	1873	42,92	21,50	35,58	44,66	22,86	32,48
31	1874	43,34	19,78	36,88	45,55	21,42	33,04
32	1875	40,19	21,44	38,37	43,37	22,09	34,54
33	1876	45,25	19,82	34,93	47,53	21,65	30,81
34	1877	42,42	21,44	36,14	45,18	23,48	31,34
35	1878	41,60	21,78	36,62	41,93	25,16	32,91
36	1879	42,82	21,28	35,90	43,79	24,74	31,47
37	1880	41,22	22,31	36,47	43,25	25,20	31,55
38	1881	41,53	22,86	35,61	41,76	27,24	31,00
39	1882	44,22	20,97	34,81	42,45	27,01	30,54
40	1883	43,49	22,81	33,69	42,69	27,18	30,13
41	1884	45,87	19,28	34,84	43,65	25,69	30,66
42	1885	45,13	20,20	34,67	43,02	26,23	30,75
43	1886	46,89	17,76	35,35	43,02	25,07	31,91
44	1887	44,79	18,80	36,41	42,16	25,38	32,46
45	1888	42,87	20,42	36,72	41,54	26,37	32,09
46	1889	40,19	21,06	38,75	40,32	27,59	32,09
47	1890	38,45	23,50	38,04	38,15	29,18	32,67
48	1891	39,05	23,37	37,58	37,85	30,12	32,03
49	1892	39,47	23,65	36,88	40,78	28,98	30,24
50	1893	36,60	26,14	37,26	37,81	30,78	31,41
51	1894	37,48	25,01	37,51	39,48	28,76	31,76
52	1895	38,74	23,60	37,66	39,32	28,98	31,70
53	1896	35,83	23,77	40,40	35,71	29,68	34,61
54	1897	40,74	21,23	38,03	40,89	26,41	32,70
55	1898	38,58	24,39	37,03	40,56	27,61	31,84
56	1899	35,84	26,05	38,10	37,95	29,86	32,19
57	1900	34,97	27,22	37,81	37,50	31,10	31,40
58	1901	38,81	25,51	35,68	41,87	28,51	29,61
59	1902	37,62	25,22	37,16	40,69	28,21	31,09
60	1903	37,69	26,09	36,21	39,96	28,87	31,17
61	1904	37,71	25,77	36,51	38,97	29,16	31,87
62	1905	38,30	24,96	36,74	39,33	28,77	31,90
63	1906	38,32	25,54	36,14	40,61	28,47	30,91
64	1907	36,91	27,43	35,66	39,90	29,35	30,75
65	1908	35,99	27,12	36,89	39,46	30,13	30,42
66	1909	39,72	24,00	36,28	41,81	27,77	30,42
67	1910	35,39	25,75	38,85	37,38	30,07	32,56
68	1911	40,45	24,11	35,44	41,97	28,07	29,96
69	1912	36,49	26,12	37,39	36,55	31,65	31,80
70	1913	37,30	25,44	37,26	37,29	30,35	32,36

Table C.6 SECTORAL SHARES IN GDP, 1850-1964 (%)

	A	B	C	D	E	F	G
71		Agriculture,	Industry &	Services	Agriculture,	Industry &	Services
72		Forestry &	Construction		Forestry &	Construction	
73		Fishing			Fishing		
74		CURRENT	PRICES		1958	PRICES	
75							
76		SHAGY	SHIND	SHSER	SHA58	SHI58	SHS58
77	1914	36,37	25,52	38,11	36,03	30,70	33,27
78	1915	41,20	23,73	35,08	38,47	29,10	32,42
79	1916	39,97	25,43	34,60	38,98	29,60	31,42
80	1917	38,32	25,51	36,17	39,74	28,54	31,71
81	1918	37,38	26,29	36,33	40,06	28,41	31,53
82	1919	39,19	23,92	36,89	40,33	27,43	32,24
83	1920	39,33	24,72	35,95	39,60	27,95	32,44
84	1921	37,37	24,65	37,99	38,26	27,93	33,81
85	1922	37,27	25,52	37,21	38,22	28,32	33,46
86	1923	32,58	28,72	38,70	34,80	31,29	33,91
87	1924	33,80	27,68	38,52	33,91	31,55	34,54
88	1925	35,43	27,53	37,03	35,00	31,72	33,28
89	1926	32,04	29,37	38,59	32,31	33,17	34,52
90	1927	35,69	27,59	36,72	34,33	32,79	32,88
91	1928	29,75	30,91	39,34	30,21	34,93	34,86
92	1929	32,52	29,80	37,69	33,04	33,08	33,88
93	1930	28,61	32,11	39,27	30,26	34,55	35,19
94	1931	32,74	27,76	39,49	33,15	30,93	35,93
95	1932	35,15	25,59	39,26	35,31	28,94	35,75
96	1933	32,67	26,02	41,31	34,22	28,54	37,25
97	1934	34,51	24,53	40,96	34,46	28,37	37,18
98	1935	32,42	25,72	41,86	33,91	28,25	37,84
99	1936	32,71	22,23	45,06	35,19	23,95	40,86
100	1937	37,28	19,48	43,24	38,60	21,74	39,66
101	1938	36,47	20,99	42,54	36,83	23,89	39,29
102	1939	34,42	22,45	43,13	34,06	25,27	40,66
103	1940	33,72	22,51	43,77	32,68	26,20	41,12
104	1941	33,29	22,66	44,05	31,32	26,87	41,82
105	1942	35,28	22,59	42,13	30,85	27,69	41,46
106	1943	35,63	21,48	42,89	31,96	26,28	41,76
107	1944	37,90	22,08	40,02	32,81	27,36	39,83
108	1945	31,66	23,11	45,22	28,55	27,74	43,71
109	1946	35,03	23,26	41,71	30,62	29,34	40,04
110	1947	32,93	23,81	43,27	30,48	29,12	40,39
111	1948	30,94	24,96	44,10	29,46	29,36	41,18
112	1949	31,44	24,42	44,14	29,66	28,74	41,60
113	1950	31,04	26,52	42,44	28,88	30,21	40,91
114	1951	29,93	30,22	39,84	32,27	28,97	38,76
115	1952	26,87	33,17	39,96	29,88	31,18	38,94
116	1953	24,84	34,40	40,76	28,19	31,73	40,08
117	1954	24,09	35,69	40,22	28,04	32,25	39,71
118	1955	23,22	37,18	39,60	26,20	34,26	39,54
119	1956	23,45	35,78	40,77	24,29	34,81	40,90
120	1957	23,74	35,64	40,62	24,73	34,67	40,59
121	1958	23,34	35,95	40,71	23,34	35,95	40,71
122	1959	22,31	36,85	40,84	24,06	35,29	40,64
123	1960	20,97	37,42	41,61	23,23	35,19	41,58
124	1961	20,77	37,80	41,42	22,46	36,62	40,92
125	1962	19,77	38,28	41,95	20,53	37,89	41,57
126	1963	20,81	36,98	42,20	21,90	36,79	41,31
127	1964	17,95	39,47	42,58	19,13	39,01	41,86

Table D.1 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP, 1850-1990 (1980 billion pesetas)

	A	B	C	D	E	F	G
1		PRADOS	ALCAIDE	CARRERAS	C.E.M.	NAREDO	SCHWARTZ
2							
3							
4		RTLP8	RTALC8	RTCAR8	RTCEN8	RTNAR8	RTSCH8
5	1850	911		1281			
6	1851	924		1356			
7	1852	934		1417			
8	1853	966		1433			
9	1854	969		1423			
10	1855	998		1542			
11	1856	1009		1493			
12	1857	1049		1580			
13	1858	1087		1744			
14	1859	1100		1741			
15	1860	1138		1571			
16	1861	1160		1617			
17	1862	1184		1574			
18	1863	1203		1704			
19	1864	1210		1746			
20	1865	1219		1754			
21	1866	1185		1859			
22	1867	1120		1767			
23	1868	1122		1385			
24	1869	1088		1533			
25	1870	1167		1506			
26	1871	1279		1812			
27	1872	1477		2092			
28	1873	1401		2737			
29	1874	1381		2241			
30	1875	1384		2324			
31	1876	1495		2390			
32	1877	1487		2694			
33	1878	1419		2514			
34	1879	1488		2125			
35	1880	1569		2233			
36	1881	1614		2403			
37	1882	1683		2385			
38	1883	1759		2657			
39	1884	1750		2445			
40	1885	1745		2451			
41	1886	1689		2092			
42	1887	1672		1972			
43	1888	1694		1973			
44	1889	1686		2276			
45	1890	1670		2205			
46	1891	1715		2148			
47	1892	1839		2523			
48	1893	1786		2837			
49	1894	1797		2766			
50	1895	1792		2482			
51	1896	1627		2512			
52	1897	1749		2323			
53	1898	1888		3037			
54	1899	1899		2978			
55	1900	1951		2851			
56	1901	2081	1703	3160			
57	1902	2025	1755	3314			
58	1903	2033	1807	3256			
59	1904	2003	1859	2857			
60	1905	2008	1911	2818			
61	1906	2116	1964	3307	2266		
62	1907	2151	1991	2838	2293		
63	1908	2211	2041	3251	2397		
64	1909	2223	2106	3263	2423		
65	1910	2138	2078	3333	2429		
66	1911	2384	2218	3368	2657		
67	1912	2346	2180	3483	2464		
68	1913	2357	2244	3208	2543		

Table D.1 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP, 1850-1990 (1980 billion pesetas)

	A	B	C	D	E	F	G
69		PRADOS	ALCAIDE	CARRERAS	C.E.N.	NAREDO	SCHWARTZ
70							
71							
72		RTLP8	RTALC8	RTCAR8	RTCEN8	RTNAR8	RTSCH8
73	1914	2297	2390	3302	2636		
74	1915	2365	2378	3477	2453		
75	1916	2457	2438	3685	2689		
76	1917	2427	2636	3328	2805		
77	1918	2441	2464	3573	2728		
78	1919	2465	2490	3478	2912		
79	1920	2603	2523	3838	3120	2209	
80	1921	2671	2503	3802	2987	2116	
81	1922	2758	2549	3506	2917	2066	
82	1923	2790	2613	3894	3072	2176	
83	1924	2910	2674	3627	3035	2149	
84	1925	3106	2876	4180	3242	2295	
85	1926	3089	2938	4104	3174	2248	
86	1927	3344	3108	4088	3402	2409	
87	1928	3296	3184	4439	3229	2287	
88	1929	3543	3266	4204	3607	2555	
89	1930	3414	3248	4397	3448	2442	
90	1931	3355	3309	3897	3437	2434	
91	1932	3451	3430	4370	3682	2608	
92	1933	3453	3395	4107	3318	2350	
93	1934	3570	3565	4289	3740	2649	
94	1935	3583	3497	4020	3618	2564	
95	1936	3070					
96	1937	2874					
97	1938	2861					
98	1939	2836					
99	1940	3039	2596	2994	2587	2307	2685
100	1941	2959	2631	3117	2579	2386	2715
101	1942	3111	2817	3395	2757	2491	2856
102	1943	3160	2810	3406	2897	2643	2879
103	1944	3321	2881	3889	2986	2799	2983
104	1945	3108	2815	3271	2511	2631	2724
105	1946	3283	3125	3490	3133	2930	2968
106	1947	3313	3181	3493	2997	2994	3003
107	1948	3244	3161	3651	2891	3066	2985
108	1949	3233	3195	3340	2906	3139	2999
109	1950	3355	3357	3557	3136	3341	3088
110	1951	3716	3724	3845	3965	3735	3382
111	1952	3972	3976	4575	4201	3903	3956
112	1953	4026	4033	4357	4146	3852	3735
113	1954	4272	4354	4706	4653	4322	4039
114	1955	4439	4562	4753	4723	4547	4241
115	1956	4696	4892	4990	5006	4873	4494
116	1957	4995	5076	5258	5473	5081	4678
117	1958	5195	5338	5310	5595	5310	4973
118	1959	5312	5195	5209	5612	5209	5166
119	1960	5533	5264	5332	5583	5332	5332
120	1961	6069	5915	5963	5991	5963	5963
121	1962	6531	6514	6518	6384	6518	6518
122	1963	7202	7116	7089	7059	7089	7089
123	1964	7527	7527	7527	7527	7527	7527
124	1965	8004	8004	8004	8004	8004	8004
125	1966	8569	8569	8569	8569	8569	8569
126	1967	8939	8939	8939	8939	8939	8939
127	1968	9545	9545	9545	9545	9545	9545
128	1969	10398	10398	10398	10398	10398	10398
129	1970	10822	10822	10822	10822	10822	10822

Table D.1 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP, 1850-1990 (1980 billion pesetas)

	A	B	C	D	E	F	G
130		PRADOS	ALCAIDE	CARRERAS	C.E.N.	NAREDO	SCHWARTZ
131							
132							
133		RTLP8	RTALC8	RTCAR8	RTCEN8	RTNAR8	RTSCH8
134	1971	11318	11318	11318	11318	11318	11318
135	1972	12227	12227	12227	12227	12227	12227
136	1973	13167	13167	13167	13167	13167	13167
137	1974	13867	13867	13867	13867	13867	13867
138	1975	13941	13941	13941	13941	13941	13941
139	1976	14397	14397	14397	14397	14397	14397
140	1977	14829	14829	14829	14829	14829	14829
141	1978	15044	15044	15044	15044	15044	15044
142	1979	15023	15023	15023	15023	15023	15023
143	1980	15209	15209	15209	15209	15209	15209
144	1981	15171	15171	15171	15171	15171	15171
145	1982	15356	15356	15356	15356	15356	15356
146	1983	15633	15633	15633	15633	15633	15633
147	1984	15914	15914	15914	15914	15914	15914
148	1985	16283	16283	16283	16283	16283	16283
149	1986	16816	16816	16816	16816	16816	16816
150	1987	17749	17749	17749	17749	17749	17749
151	1988	18664	18664	18664	18664	18664	18664
152	1989	19535	19535	19535	19535	19535	19535
153	1990	20251	20251	20251	20251	20251	20251

Table D.2 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP PER HEAD, 1850-1990. (1980 pesetas)

	A	B	C	D	E	F	G
1		PRADOS	ALCAIDE	CARRERAS	C.E.N.	NAREDO	SCHWARTZ
2							
3							
4		YLP8	YALC8	YCAR8	YCEN8	YNAR8	YSCH8
5	1850	61152		85990			
6	1851	61702		90545			
7	1852	62032		94119			
8	1853	63837		94654			
9	1854	63688		93540			
10	1855	65215		100797			
11	1856	65568		97075			
12	1857	67882		102232			
13	1858	70042		112335			
14	1859	70612		111687			
15	1860	72758		100406			
16	1861	73912		103004			
17	1862	75133		99896			
18	1863	76089		107786			
19	1864	76295		110041			
20	1865	76568		110178			
21	1866	74165		116378			
22	1867	69837		110189			
23	1868	69771		86117			
24	1869	67413		94959			
25	1870	72062		92981			
26	1871	78690		111479			
27	1872	90540		128214			
28	1873	85556		167151			
29	1874	84083		136385			
30	1875	83932		140944			
31	1876	90370		144444			
32	1877	89572		162255			
33	1878	85091		150745			
34	1879	88758		126702			
35	1880	93083		132430			
36	1881	95228		141760			
37	1882	98768		139922			
38	1883	102663		155075			
39	1884	101562		141904			
40	1885	100745		141494			
41	1886	96994		120114			
42	1887	95454		112593			
43	1888	96228		112128			
44	1889	95387		128745			
45	1890	94029		124161			
46	1891	96161		120446			
47	1892	102650		140839			
48	1893	99269		157646			
49	1894	99395		153008			
50	1895	98678		136708			
51	1896	89198		1377			
52	1897	95472		126807			
53	1898	102594		165063			
54	1899	102745		161137			
55	1900	105075		153583			
56	1901	111515	91273	169339			
57	1902	107781	93410	176389			
58	1903	107484	95519	172116			
59	1904	105128	97585	149968			
60	1905	104940	99872	147288			
61	1906	109552	101676	171219	117308		
62	1907	110585	102369	145894	117869		
63	1908	112897	104195	166001	122381		
64	1909	112722	106777	165442	122842		
65	1910	107648	104660	167854	122340		
66	1911	119221	110947	168445	132870		
67	1912	116560	108291	173045	122412		
68	1913	116335	110721	158309	125494		

Table D.2 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP PER HEAD, 1850-1990 (1980 pesetas)

	A	B	C	D	E	F	G
69		PRADOS	ALCAIDE	CARRERAS	C.E.N.	NAREDO	SCHWARTZ
70							
71							
72		YLP8	YALCB	YCAR8	YCEN8	YNAR8	YSCH8
73	1914	112592	117192	161901	129215		
74	1915	115170	115794	169334	119450		
75	1916	118832	117920	178228	130077		
76	1917	116602	126686	159905	134776		
77	1918	116535	117597	170558	130214		
78	1919	116876	118049	164916	138080		
79	1920	122610	118812	180787	146925	104060	
80	1921	124756	116901	177568	139530	98828	
81	1922	127523	117862	162111	134890	95543	
82	1923	127716	119626	178253	140622	99588	
83	1924	131849	121147	164337	137509	97385	
84	1925	139321	128999	187530	145425	102952	
85	1926	137199	130482	182244	140955	99831	
86	1927	147025	136623	179718	149554	105922	
87	1928	143438	138570	193192	140517	99521	
88	1929	152671	140722	181108	155397	110060	
89	1930	145626	138539	187530	147072	104167	
90	1931	141719	139748	164625	145184	102817	
91	1932	144418	143536	182869	154096	109148	
92	1933	143151	140733	170258	137560	97430	
93	1934	146614	146408	176154	153608	108793	
94	1935	145793	142267	163556	147184	104305	
95	1936	128923					
96	1937	114776					
97	1938	113169					
98	1939	111123					
99	1940	117979	100771	116247	100451	89580	104246
100	1941	113883	101266	119971	99272	91840	104520
101	1942	118829	107612	129687	105288	95142	109098
102	1943	119747	106484	129093	109785	100171	109121
103	1944	124885	108342	146230	112267	105253	112176
104	1945	115973	105033	122032	93682	98179	101633
105	1946	121525	115687	129206	115968	108467	109882
106	1947	121716	116851	128299	110088	109970	110297
107	1948	118247	115215	133074	105378	111732	108803
108	1949	116907	115545	120802	105078	113529	108470
109	1950	120385	120477	127620	112537	119869	110817
110	1951	132322	132585	136909	141176	132977	120402
111	1952	140183	140335	161478	148295	137767	139624
112	1953	140915	141155	152504	145119	134817	130711
113	1954	148262	151113	163341	161481	150017	140170
114	1955	152770	156992	163573	162559	156478	145957
115	1956	160272	166957	170300	170854	166293	153365
116	1957	169051	171795	177940	185234	171954	158329
117	1958	174332	179135	178200	187755	178200	166881
118	1959	176771	172886	173358	186775	173358	171925
119	1960	182595	173707	175948	184243	175948	175948
120	1961	198395	193343	194922	195825	194922	194922
121	1962	211239	210688	210829	206482	210829	210829
122	1963	230483	227726	226878	225929	226878	226878
123	1964	238375	238375	238375	238375	238375	238375
124	1965	250813	250813	250813	250813	250813	250813
125	1966	265676	265676	265676	265676	265676	265676
126	1967	274248	274248	274248	274248	274248	274248
127	1968	289742	289742	289742	289742	289742	289742
128	1969	312327	312327	312327	312327	312327	312327
129	1970	321652	321652	321652	321652	321652	321652

Table D.2 ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP PER HEAD, 1850-1990 (1980 pesetas)

	A	B	C	D	E	F	G
130		PRADOS	ALCAIDE	CARRERAS	C.E.N.	NAREDO	SCHWARTZ
131							
132							
133		YLP8	YALC8	YCAR8	YCEN8	YNAR8	YSCH8
134	1971	333049	333049	333049	333049	333049	333049
135	1972	356351	356351	356351	356351	356351	356351
136	1973	380041	380041	380041	380041	380041	380041
137	1974	396152	396152	396152	396152	396152	396152
138	1975	392536	392536	392536	392536	392536	392536
139	1976	400623	400623	400623	400623	400623	400623
140	1977	407765	407765	407765	407765	407765	407765
141	1978	409049	409049	409049	409049	409049	409049
142	1979	404848	404848	404848	404848	404848	404848
143	1980	405123	405123	405123	405123	405123	405123
144	1981	402914	402914	402914	402914	402914	402914
145	1982	404795	404795	404795	404795	404795	404795
146	1983	408945	408945	408945	408945	408945	408945
147	1984	414277	414278	414277	414277	414277	414277
148	1985	422678	422678	422678	422678	422678	422678
149	1986	434891	434891	434891	434891	434891	434891
150	1987	457063	457063	457063	457063	457063	457063
151	1988	478613	478613	478613	478613	478613	478613
152	1989	499935	499935	499935	499935	499935	499935
153	1990	517238	517238	517238	517238	517238	517238

Table D.3 REAL GDP PER HEAD, 1850-1990: INTERNATIONAL COMPARISONS. (1960 US\$ PPP)

	A	B	C	D	E	F
1		SPAIN:	SPAIN:	FRANCE	UNITED	U.S.A.
2		Prados'	Carreras'		KINGDOM	
3		estimate	estimate			
4						
5						
6		YLP6U	YCAR6	YFR6	YUK6	YUS6
7	1850	271	395			
8	1851	273	416			
9	1852	274	432			
10	1853	282	435			
11	1854	282	430			
12	1855	289	463			
13	1856	290	446			
14	1857	300	469			
15	1858	310	516			
16	1859	312	513			
17	1860	322	461			
18	1861	327	473			
19	1862	332	459			
20	1863	337	495			
21	1864	338	505			
22	1865	339	506			
23	1866	328	534			
24	1867	309	506			
25	1868	309	395			
26	1869	298	436			
27	1870	319	427	449	683	642
28	1871	348	512	456	716	656
29	1872	401	589	505	711	665
30	1873	379	768	471	720	681
31	1874	372	626	527	725	662
32	1875	371	647	540	735	680
33	1876	400	663	504	734	673
34	1877	396	745	518	733	678
35	1878	377	692	509	729	692
36	1879	393	582	481	718	762
37	1880	412	608	512	745	835
38	1881	421	651	533	764	843
39	1882	437	643	553	780	874
40	1883	454	712	545	780	873
41	1884	449	652	535	775	870
42	1885	446	650	526	765	855
43	1886	429	552	526	771	862
44	1887	422	517	531	795	882
45	1888	426	515	540	824	859
46	1889	422	591	538	862	893
47	1890	416	570	553	858	888
48	1891	426	553	566	851	908
49	1892	454	647	581	824	976
50	1893	439	724	581	816	911
51	1894	440	703	602	863	868
52	1895	437	628	581	882	954
53	1896	395	633	602	910	917
54	1897	422	582	589	913	987
55	1898	454	758	620	948	990
56	1899	455	740	649	978	1061
57	1900	465	705	660	962	1071
58	1901	493	778	638	953	1169
59	1902	477	810	622	969	1157
60	1903	476	790	640	951	1191
61	1904	465	689	648	948	1154
62	1905	464	676	659	968	1215
63	1906	485	786	663	992	1330
64	1907	489	670	697	1002	1326
65	1908	500	762	696	953	1194
66	1909	499	760	714	966	1314
67	1910	476	771	682	987	1299
68	1911	528	774	730	1008	1321
69	1912	516	795	787	1019	1362
70	1913	515	727	779	1054	1388

Table D.3 REAL GDP PER HEAD, 1950-1990: INTERNATIONAL COMPARISONS (1960 US\$ PPP)

	A	B	C	D	E	F
71		SPAIN:	SPAIN:	FRANCE	UNITED	U.S.A.
72		Prados'	Carreras'		KINGDOM	
73		estimate	estimate			
74						
75						
76		YLP6U	YCAR6	YFR6	YUK6	YUS6
77	1914	498	743	724	1055	1256
78	1915	510	778	726	1132	1273
79	1916	526	818	774	1153	1429
80	1917	516	734	666	1161	1374
81	1918	516	783	536	1169	1482
82	1919	517	757	632	1043	1487
83	1920	543	830	726	974	1454
84	1921	552	815	691	888	1393
85	1922	564	744	812	927	1450
86	1923	565	819	844	952	1614
87	1924	583	755	940	984	1632
88	1925	617	861	937	1029	1645
89	1926	607	837	955	987	1729
90	1927	651	825	934	1063	1722
91	1928	635	887	996	1071	1720
92	1929	676	832	1059	1100	1806
93	1930	644	861	1019	1088	1616
94	1931	627	756	952	1027	1469
95	1932	639	840	890	1029	1264
96	1933	633	782	953	1055	1231
97	1934	649	809	942	1121	1320
98	1935	645	751	919	1159	1415
99	1936	570		954	1207	1607
100	1937	508		1009	1243	1676
101	1938	501		1004	1253	1587
102	1939	492		1078	1252	1699
103	1940	522	534	909	1371	1820
104	1941	504	551	744	1496	2120
105	1942	526	596	670	1527	2493
106	1943	530	593	643	1548	2907
107	1944	553	672	545	1481	3107
108	1945	513	560	579	1411	3016
109	1946	538	593	868	1349	2413
110	1947	539	589	930	1320	2299
111	1948	523	611	988	1349	2346
112	1949	517	555	1112	1391	2308
113	1950	533	586	1185	1434	2454
114	1951	586	629	1248	1479	2661
115	1952	620	742	1272	1471	2716
116	1953	624	700	1300	1535	2780
117	1954	656	750	1354	1587	2695
118	1955	676	751	1419	1635	2794
119	1956	709	782	1477	1654	2799
120	1957	748	817	1549	1679	2794
121	1958	771	818	1571	1674	2730
122	1959	782	796	1600	1732	2841
123	1960	808	808	1696	1829	2849
124	1961	878	895	1771	1874	2879
125	1962	935	968	1855	1876	2986
126	1963	1020	1042	1921	1935	3069
127	1964	1055	1095	2025	2026	3204
128	1965	1110	1152	2103	2064	3352
129	1966	1176	1220	2194	2091	3483
130	1967	1214	1259	2279	2126	3523
131	1968	1282	1331	2359	2202	3634
132	1969	1382	1434	2504	2238	3702
133	1970	1423	1477	2623	2281	3656

Table D.3 REAL GDP PER HEAD, 1850-1990: INTERNATIONAL COMPARISONS (1960 US\$ PPP)

	A	B	C	D	E	F
134		SPAIN:	SPAIN:	FRANCE	UNITED	U.S.A.
135		Prados'	Carreras'		KINGDOM	
136		estimate	estimate			
137						
138						
139		YLP6U	YCAR6	YFR6	YUK6	YUS6
140	1971	1474	1529	2723	2315	3727
141	1972	1577	1636	2819	2388	3874
142	1973	1682	1745	2948	2553	4020
143	1974	1753	1819	3020	2509	3955
144	1975	1737	1803	2998	2489	3876
145	1976	1773	1840	3113	2558	4027
146	1977	1804	1873	3199	2620	4163
147	1978	1810	1878	3292	2715	4330
148	1979	1791	1859	3384	2788	4367
149	1980	1793	1860	3422	2722	4313
150	1981	1783	1850	3443	2684	4364
151	1982	1791	1859	3511	2732	4209
152	1983	1810	1878	3519	2827	4331
153	1984	1833	1902	3552	2881	4598
154	1985	1870	1941	3604	2981	4726
155	1986	1924	1997	3672	3076	4813
156	1987	2023	2099	3727	3212	4943
157	1988	2118	2198	3841	3337	5121
158	1989	2212	2296	3952	3415	5221
159	1990	2289	2375	4042	3426	5211

Table D.4 RELATIVE GDP PER HEAD, 1870-1990 (1960 US\$ PPP) (1960=100)

	A	B	C	D	E
1		SPAIN:	SPAIN:	FRANCE:	UNITED
2		Prados'	Carreras'		KINGDOM
3		estimates	estimates		
4					
5		RYLP6U	RYCAR6	RYFR6	RYUK6
6	1870	50	66	70	106
7	1871	53	78	69	109
8	1872	60	88	76	107
9	1873	56	113	69	106
10	1874	56	95	80	110
11	1875	55	95	79	108
12	1876	59	99	75	109
13	1877	58	110	76	108
14	1878	54	100	74	105
15	1879	52	76	63	94
16	1880	49	73	61	89
17	1881	50	77	63	91
18	1882	50	74	63	89
19	1883	52	82	62	89
20	1884	52	75	61	89
21	1885	52	76	62	90
22	1886	50	64	61	89
23	1887	48	59	60	90
24	1888	50	60	63	96
25	1889	47	66	60	96
26	1890	47	64	62	97
27	1891	47	61	62	94
28	1892	47	66	60	84
29	1893	48	79	64	90
30	1894	51	81	69	99
31	1895	46	66	61	92
32	1896	43	69	66	99
33	1897	43	59	60	93
34	1898	46	77	63	96
35	1899	43	70	61	92
36	1900	43	66	62	90
37	1901	42	67	55	82
38	1902	41	70	54	84
39	1903	40	66	54	80
40	1904	40	60	56	82
41	1905	38	56	54	80
42	1906	36	59	50	75
43	1907	37	51	53	76
44	1908	42	64	58	80
45	1909	38	58	54	74
46	1910	37	59	52	76
47	1911	40	59	55	76
48	1912	38	58	58	75
49	1913	37	52	56	76

Table D.4 RELATIVE GDP PER HEAD, 1870-1990 (1960. U.S\$. PPP) (1960=100)

	A	B	C	D	E
50		SPAIN:	SPAIN:	FRANCE	UNITED
51		Prados'	Carreras'		KINGDOM
52		estimates	estimates		
53					
54		RYLP6U	RYCAR6	RYFR6	RYUK6
55	1914	40	59	58	84
56	1915	40	61	57	89
57	1916	37	57	54	81
58	1917	38	53	48	84
59	1918	35	53	36	79
60	1919	35	51	43	70
61	1920	37	57	50	67
62	1921	40	59	50	64
63	1922	39	51	56	64
64	1923	35	51	52	59
65	1924	36	46	58	60
66	1925	37	52	57	63
67	1926	35	48	55	57
68	1927	38	48	54	62
69	1928	37	52	58	62
70	1929	37	46	59	61
71	1930	40	53	63	67
72	1931	43	51	65	70
73	1932	51	66	70	81
74	1933	51	64	77	86
75	1934	49	61	71	85
76	1935	46	53	65	82
77	1936	35		59	75
78	1937	30		60	74
79	1938	32		63	79
80	1939	29		63	74
81	1940	29	29	50	75
82	1941	24	26	35	71
83	1942	21	24	27	61
84	1943	18	20	22	53
85	1944	18	22	18	48
86	1945	17	19	19	47
87	1946	22	25	36	56
88	1947	23	26	40	57
89	1948	22	26	42	57
90	1949	22	24	48	60
91	1950	22	24	48	58
92	1951	22	24	47	56
93	1952	23	27	47	54
94	1953	22	25	47	55
95	1954	24	28	50	59
96	1955	24	27	51	59
97	1956	25	28	53	59
98	1957	27	29	55	60
99	1958	28	30	58	61
100	1959	28	28	56	61
101	1960	28	28	60	64
102	1961	30	31	61	65
103	1962	31	32	62	63
104	1963	33	34	63	63
105	1964	33	34	63	63
106	1965	33	34	63	62
107	1966	34	35	63	60
108	1967	34	36	65	60
109	1968	35	37	65	61
110	1969	37	39	68	60
111	1970	39	40	72	62

Table D.4 RELATIVE GDP PER HEAD, 1870-1990 (1960: US\$ PPP) (1960=100)

	A	B	C	D	E
112		SPAIN:	SPAIN:	FRANCE:	UNITED
113		Prados'	Carreras'		KINGDOM
114		estimates	estimates		
115					
116		RYLP6U	RYCAR6	RYFR6	RYUK6
117	1971	40	41	73	62
118	1972	41	42	73	62
119	1973	42	43	73	64
120	1974	44	46	76	63
121	1975	45	47	77	64
122	1976	44	46	77	64
123	1977	43	45	77	63
124	1978	42	43	76	63
125	1979	41	43	77	64
126	1980	42	43	79	63
127	1981	41	42	79	61
128	1982	43	44	83	65
129	1983	42	43	81	65
130	1984	40	41	77	63
131	1985	40	41	76	63
132	1986	40	41	76	64
133	1987	41	42	75	65
134	1988	41	43	75	65
135	1989	42	44	76	65
136	1990	44	46	78	66

REFERENCES

- ALCAIDE, J. (1976): "Una revisión urgente de la serie de renta nacional en el siglo XX", in *Datos básicos para la historia financiera de España*, 2 vols., Madrid: Instituto de Estudios Fiscales, 2 vols., ii, pp. 1126-1150.
- ALMARCHA, A. *et alia* (1975): *Estadísticas Básicas de España 1900-1970*, Madrid: CECA.
- ARENALES, M.C. (1976): "Un indicador de precios de la economía española para el período 1850-1900", in *Datos básicos para la historia financiera de España*, 2 vols., Madrid: Instituto de Estudios Fiscales, 2 vols. ii, pp. 1109-1123.
- ARTOLA, M., (ed.) (1978): *Los ferrocarriles en España, 1844-1943*, 2 vols., Madrid: Tecnos.
- BAIROCH, P. (1976): "Europe's Gross National Product: 1800-1975", *Journal of European Economic History*, V, 2, pp. 273-340.
- BARCIELA, C. (1989): "El sector agrario desde 1936", in A. Carreras, ed.: *Estadísticas históricas de España. Siglos XIX-XX*, Madrid: Fundación Banco Exterior, pp. 131-167.
- BECKERMAN, W. & R. BACON (1966): "International Comparisons of Income Levels: A Suggested New Measure", *Economic Journal*, LXXVI, pp. 516-536.
- BONHOME L. & BUSTINZA P. (1969): "Valoración del patrimonio inmobiliario de España", *Boletín de Estudios Económicos*, XXIV, 76, pp.79-92.
- BUSTELO, F. (1993): "Los cálculos del producto nacional en los siglos XIX y XX y su utilización en la historia económica", *Revista de Historia Económica*, XI, 1.
- CAAMAÑO, C. (1924): "Ensayo evaluatorio de la riqueza de España", in Banco Urquijo: *La riqueza y el progreso de España*, 2nd ed., Madrid, 2 vols., ii, pp. 569-580. Reprinted P. Schwartz, ed. (1977), *El producto Nacional de España en el siglo XX*. Madrid: Instituto de Estudios Fiscales, pp. 69-93.
- CAIRNCROSS, A. K. (1953): *Home and Foreign Investment, 1870-1913*, Cambridge: Cambridge University Press.
- CARRERAS, A. (1983): "La producció industrial espanyola i italiana des de mitjan segle XIX fins l'actualitat", Universitat Autònoma de Barcelona, unpublished Ph.D. dissertation.

CARRERAS, A. (1984): "La producción industrial española, 1842-1981: construcción de un índice anual", *Revista de Historia Económica*, II, 1, pp. 127-157.

CARRERAS, A. (1985): "Gasto nacional bruto y formación de capital en España, 1849-1958: primer ensayo de estimación", in P. Martín Aceña & L. Prados de la Escosura, eds.: *La Nueva Historia Económica en España*, Madrid: Tecnos, pp. 17-51.

CARRERAS, A. (1987): "Estimates of Real GDP for Spain, 1849-1985" (mimeo), Conference on Growth and Structural Change in Spain and Italy: Historical Trends (Universidad de Alcalá).

CARRERAS, A. (1990): Industrialización española: estudios de historia cuantitativa, Madrid: Espasa Calpe.

CARRERAS, A. (1992): "La producción industrial en el muy largo plazo: una comparación entre España e Italia de 1861 a 1980", in L. Prados de la Escosura & V. Zamagni, eds.: *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza, pp. 173-210.

CASTAÑEDA, J. (1945): "El consumo de tabaco en España y sus factores", *Revista de Economía Política*, I, 1, pp. 195-292.

COLL, S. (1985): "Producción y valor añadido de los sectores minero y metalúrgico", *Memoria del Banco de España*.

COLL, S. (1986): "Producción y valor añadido del sector de cementos", *Memoria del Banco de España*.

COLL, S. (1992): "La Renta Nacional española y su medición (siglos XIX y XX)", (mimeo) Coloquio de Historia Económica México-España en el Quinto Centenario (México).

COMIN, F. (1984): "Estimación del producto y productividad agraria en España en el siglo XIX: estado de la cuestión, métodos y fuentes", *Memoria del Banco de España* (mimeo).

COMIN, F. (1985a): "Cálculos para la estimación de la producción agraria entre 1900 y 1950", *Memoria del Banco de España* (mimeo).

COMIN, F. (1985b): *Fuentes cuantitativas para el estudio del sector público en España 1801-1980*, Madrid: Instituto de Estudios Fiscales, monografía no. 40

COMIN, F. (1985c): "Superficie, producción y rendimientos de los cereales y leguminosas, vid y olivo entre 1891 y 1981", *Memoria del Banco de España* (mimeo).

COMIN, F. (1987): "Métodos indirectos para la estimación de la producción agraria en España (1891-1935)", (mimeo).

COMIN, F. (1989): "Sector Público", in A. Carreras, ed.: *Estadísticas Históricas de España. Siglos XIX-XX*. Madrid: Fundación Banco Exterior, pp. 395-460.

COMISARIA DEL PLAN DE DESARROLLO ECONOMICA Y SOCIAL (1972): *Series cronológicas del modelo econométrico*, vol. II, Madrid: Presidencia del Gobierno.

CONSEJO DE ECONOMIA NACIONAL (1945): *La Renta Nacional de España*, 2 vols., Madrid: C.E.N.

CONSEJO DE ECONOMIA NACIONAL (1965): *La Renta Nacional de España, 1906-1965*, Madrid: C.E.N.

CORRALES A. & D. TAGUAS (1991): "Series macroeconómicas para el período 1954-1988: un intento de homogeneización", in C. Molinas, M. Sebastián & A. Zabalza, eds.: *La economía española. Una perspectiva macroeconómica*, Barcelona/Madrid: Antoni Bosch/Instituto de Estudios Fiscales, pp. 583-646.

CRAFTS, N.F.R. (1983): "Gross National Product in Europe, 1870-1910: Some New Estimates", *Explorations in Economic History*, XX, 4, pp. 387-401.

CRAFTS, N.F.R. (1984): "Patterns of Development in Nineteenth Century Europe", *Oxford Economic Papers*, XXXVI, 4, pp. 438-458.

DABAN, T. & R. DOMENECH (1993): "Metodología para la estimación de PPC en el espacio y en el tiempo" (mimeo) Dirección General de Planificación.

DEANE, P. (1956/57): "Contemporary Estimates of National Income in the Second Half of the Nineteenth Century", *Economic History Review*, IX, pp. 451-461.

EICHENGREEN, B. (1986): "What Have We Learned from Historical Comparisons of Income and Productivity?", in P.K. O'Brien, ed.: *International Productivity Comparisons and Problems of Measurement*, Bern: Proceedings of the Ninth International Economic History Congress, pp. 26-35.

ESCUADERO, A. (1989): "Valores añadidos de la minería vizcaína, 1876-1936" (mimeo), paper submitted to the IV Congreso de Historia Económica (Alicante).

FEDERICO, G. (1986): "Mercantilizzazione e sviluppo economico in Italia (1860-1940)", *Rivista di Storia Economica*, III, 2, pp. 149-186.

FEDERICO, G. (1990): "Il valore aggiunto dell'agricoltura italiana in 1911" (mimeo).

FEINSTEIN, C. (1972): *National Income, Expenditure, and Output of the United Kingdom, 1855-1965*, Cambridge: Cambridge University Press.

FENOALTEA, S. (1982): "The Growth of Utilities Industries in Italy, 1861-1913", *Journal of Economic History*, XLII, 3, pp. 601-627.

FENOALTEA, S. (1984): "Railway Construction in Italy, 1861-1913", *Rivista di Storia Economica*, I, pp. 26-58.

FENOALTEA, S. (1988): "The Extractive Industries in Italy, 1861-1913: General Methods and Specific Estimates", *Journal of European Economic History*, XVII, 1, pp. 117-125

FENOALTEA, S. (1992): "El ciclo de la construcción en Italia: evidencia e interpretación", in L. Prados de la Escosura & V. Zamagni, eds.: *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza, pp. 211-252.

FRAILE, P. (1991): *Industrialización y grupos de presión. La economía política de la protección en España, 1900-1950*, Madrid: Alianza.

FRAX, E. (1981): *Puertos y comercio de cabotaje en España, 1857-1934*, Madrid: Banco de España, Estudios de Historia Económica no. 2.

FREMDLING, R. (1988): "German National Accounts for the 19th and Early 20th Century. A Critical Assessment", *Vierteljahrschrift für Sozial- und Wirtschaftsgeschichte*, LXXV, 3, pp. 339-355.

FREMDLING, R. & P.K. O'BRIEN, eds. (1983): *Productivity in the Economies of Europe*, Stuttgart: Klett-Cotta.

GALLEGO, D. (1987): "Transformaciones técnicas de la agricultura española en el primer tercio del siglo XX", in R. Garrabou, C. Barciela & J.J. Jiménez Blanco, eds.: *Historia agraria de la España contemporánea 3. El fin de la agricultura tradicional (1900-1960)*, Barcelona: Crítica, pp. 171-229.

GIRALDEZ, J. (1991): "Fuentes estadísticas y producción pesquera en España (1880-1936): una primera aproximación", *Revista de Historia Económica*, IX, 3, pp. 513-532.

GOMEZ MENDOZA, A. (1982): *Ferrocarriles y cambio económico en España, 1855-1913*, Madrid: Alianza.

GOMEZ MENDOZA, A. (1983): "La industria pesquera, 1880-1935", Memoria del Banco de España (mimeo).

GOMEZ MENDOZA, A. (1985): "La industria de material ferroviario", Memoria del Banco de España.

GOMEZ MENDOZA, A. (1986): "La industria de la construcción residencial: Madrid, 1820-1935", *Moneda y Crédito*, 117, pp. 53-81.

GOMEZ MENDOZA, A. (1989), "Transportes y Comunicaciones", in A. Carreras, ed.: *Estadísticas Históricas de España. Siglos XIX-XX*. Madrid: Fundación Banco Exterior, pp. 269-325.

GOMEZ MENDOZA, A. & J. SIMPSON (1988): "El consumo de carne en Madrid durante el primer tercio del siglo XX", *Moneda y Crédito*, 186, pp. 57-91.

GRUPO DE ESTUDIOS DE HISTORIA RURAL (GEHR) (1978/1979): "Contribución al análisis histórico de la ganadería española, 1865-1929", *Agricultura y Sociedad*, 8, pp. 129-182; 10, pp. 105-169.

GEHR (1980): *Los precios del trigo y la cebada en España, 1891-1907*, Madrid: Banco de España. Estudios de Historia Económica no. 1.

GEHR (1981a): *Los precios del aceite de oliva en España, 1891-1916*, Madrid: Banco de España. Estudios de Historia Económica no. 4.

GEHR (1981b): *El vino, 1874-1907: dificultades para reconstruir la serie de sus cotizaciones*, Madrid: Banco de España. Estudios de Historia Económica no. 6.

GEHR (1983): "Notas sobre la producción agraria española, 1891-1931", *Revista de Historia Económica*, I, 2, pp. 185-252.

GEHR (1987): "Un índice de la producción agraria española, 1891-1935", *Hacienda Pública Española*, 108/109, pp. 411-422.

GEHR (1989): "Sector agrario (hasta 1935)", in A. Carreras ed.: *Estadísticas históricas de España. Siglos XIX-XX*, Madrid: Fundación Banco Exterior, pp. 91-129.

GEHR (1991): *Estadísticas históricas de la producción agraria española, 1859-1935*, Madrid: M^o de Agricultura, Pesca y Alimentación.

HARLEY, C.K. (1982): "British Industrialization before 1841: Evidence of Slower Growth during the Industrial Revolution", *Journal of Economic History*, XLIII, 2, pp. 267-289.

HEMBERG, P. (1955): "Informe preliminar sobre la renta interior de España", *Revista de Economía Política*, VI, 2, pp. 114-171. Reprinted in P. Schwartz, ed. (1977), *El Producto Nacional de España en el siglo XX*. Madrid: Instituto de Estudios Fiscales, pp. 265-341.

HOFFMANN, W.G. (1955): *British Industry 1700-1950*, Oxford: Basil Blackwell.

HOFFMANN, W.G. (1958): *The Growth of Industrial Economies*, Manchester: Manchester University Press.

HOFFMANN, W.G., F. GRUMBACH & H. HESSE (1965): *Das Wachstum der deutschen Wirtschaft seit der Mitte des 19. Jahrhunderts*, Berlin: Springer.

HOLTFRERICH, C.L. (1983): "The Growth of Net Domestic Product in Germany, 1850-1913", in R. Fremdling & P.K. O'Brien, eds.: *Productivity in the Economies of Europe*, Stuttgart: Klett-Cotta, pp. 124-131.

INFORMACION COMERCIAL ESPAÑOLA (1962): "Datos y reflexiones sobre el desarrollo de la economía española", *Información Comercial Española*, (January) pp. 39-97.

INSTITUTO DE ESTUDIOS FISCALES (1969): *La Contabilidad Nacional de España. Años 1954 a 1964*, Madrid: Ministerio de Hacienda.

INSTITUTO DE ESTUDIOS DE TRANSPORTES Y COMUNICACIONES (1984): *Estadísticas de Transportes. Series cronológicas (1950-1980)*, Madrid: Ministerio de Transporte, Turismo y Comunicaciones.

LEWIS, W.A. (1978): *Growth and Fluctuations, 1870-1913*, London: George Allen & Unwin.

MADDISON, A. (1983): "A Comparison of Levels of GDP per Capita in Developed and Developing Countries, 1700-1980", *Journal of Economic History*, XI, III, 1, pp. 27-41.

MADDISON, A. (1991): Dynamic Forces in Capitalist Development, Oxford: Oxford University Press.

MADDISON, A. (1992): "El crecimiento económico italiano, 1861-1989: una revisión", in L. Prados de la Escosura & V. Zamagni, eds.: *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza, pp. 81-100.

MADOZ, P. (1846-1850): *Diccionario estadístico-geográfico-histórico de España y sus posesiones de Ultramar*, Madrid, 16 vols.

MALUQUER DE MOTES, J. (1989): "Precios, salarios y beneficios. La distribución funcional de la renta", in A. Carreras, ed.: *Estadísticas Históricas de España. Siglos XIX-XX*. Madrid: Fundación Banco Exterior, pp. 495-532.

MARTIN ACEÑA, P. (1992): "Spain during the Classical Gold Standard Years, 1880-1914" (mimeo).

MARTIN ACEÑA, P. & L. PRADOS DE LA ESCOSURA, eds.: *La Nueva Historia Económica en España*, Madrid: Tecnos.

MIGUEL, A. de (1935): *El potencial económico de España*, Madrid.

MINISTERIO DE AGRICULTURA (1979a): *Anuario de estadística agraria 1978*, Madrid: Secretaría General Técnica del M^o de Agricultura.

MINISTERIO DE AGRICULTURA (1979b): *Cuentas del sector agrario nº 4*, Secretaría General Técnica del M^o de Agricultura.

MINISTERIO DE TRABAJO (1942): "Precios al por mayor y números índices, 1913-1941", *Boletín de Estadística*, special issue.

MITCHELL, B.R. (1992): *International Historical Statistics. Europe, 1750-1988*. London: MacMillan.

MOLINAS, C. & L. PRADOS DE LA ESCOSURA (1989): "Was Spain Different?. Spanish Historical Backwardness Revisited", *Explorations in Economic History*, 26, 4, pp. 385-402.

MORELLA, E. (1992): "Índices sectoriales de producción industrial de posguerra (1940-1958)", *Revista de Historia Económica*, X, 1: 125-143.

MULHALL, M.G. (1880): *The Progress of the World*, London: Edward Stanford.

MULHALL, M.G. (1884): *Dictionary of Statistics*, London. Revised editions in 1886, 1892, and 1899.

MULHALL, M.G. (1885): *History of Prices since the Year 1850*, London.

MULHALL, M.G. (1896): *Industries and Wealth of Nations*, London.

NAREDO, J.M. (1991): "Crítica y revisión de las series históricas de renta nacional de la postguerra", *Información Comercial Española*, 698, pp. 132-152.

NICOLAU, R. (1989): "Población", in A. Carreras, ed.: *Estadísticas Históricas de España. Siglos XIX-XX*. Madrid: Fundación Banco Exterior, pp. 49-90.

O'BRIEN, P.K. (1983): "The Analysis and Measurement of the Service Economy in European Economic history", in R. Fremdling & P.K. O'Brien, eds.: *Productivity in the Economies of Europe*, Stuttgart: Klett-Cotta, pp. 79-89.

O'BRIEN, P.K., ed. (1986): *International Productivity Comparisons and Problems of Measurement*, Bern: Proceedings of the Ninth International Economic History Congress.

O'BRIEN, P.K. & L PRADOS DE LA ESCOSURA (1992): "Agricultural Productivity and European Industrialization, 1890-1980", *Economic History Review*, XLV, 3, pp. 514-536.

O.E.C.D. (1992): *Purchasing Power Parities and Real Expenditures 1990. EKS Results*, Paris: OECD Statistics Directorate.

OJEDA, A. de (1988): *Indices de precios en España en el período 1913-1987*, Madrid: Banco de España. Estudios de Historia Económica no. 17

PARIS EGUILAZ, H. (1943): *El movimiento de precios en España. Su importancia para una política de intervención*, Madrid: C.S.I.C. Instituto Sancho de Moncada.

PRADOS DE LA ESCOSURA, L. (1981): "Análisis económico del comercio exterior de España en los siglos XVIII y XIX", Universidad Complutense de Madrid, Unpublished Ph.D. Dissertation.

PRADOS DE LA ESCOSURA, L. (1982): *Comercio exterior y crecimiento económico en España, 1826-1913: tendencias a largo plazo*, Madrid: Banco de España. Estudios de Historia Económica no. 7.

PRADOS DE LA ESCOSURA, L. (1983): "Producción y consumo de tejidos en España, 1800-1913: primeros resultados", in G. Anes, L.A. Rojo & P. Tedde, eds.: *Historia económica y pensamiento social. Ensayos en homenaje a Diego Mateo del Peral*, Madrid: Alianza, pp. 455-471.

PRADOS DE LA ESCOSURA, L. (1986): "Una serie anual del comercio exterior español (1821-1913)", *Revista de Historia Económica*, IV, 1, pp. 103-150.

PRADOS DE LA ESCOSURA, L. (1988): *De imperio a nación. Crecimiento y atraso económico en España (1780-1930)*, Madrid: Alianza.

PRADOS DE LA ESCOSURA, L. & V. ZAMAGNI, eds. (1992): *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza.

PRADOS DE LA ESCOSURA, L. (forthcoming): *El Producto Interior Bruto de España, 1850-1964: reconstrucción y análisis.*

REHER, D.S. & E. BALLESTEROS (1993): "Precios y salarios en Castilla la Nueva: la construcción de un índice de salarios reales, 1501-1991", *Revista de Historia Económica*, XI, 1.

SANCHEZ-ALBORNOZ, N. (1975): *Los precios agrícolas durante la segunda mitad del siglo XIX. I. Trigo y cebada*, Madrid: Tecnos.

SANCHEZ-ALBORNOZ, N. (1979): *Los precios del vino en España, 1861-1890*, 2 vols., Madrid: Banco de España, DT nos. 7903-7904.

SANCHEZ-ALBORNOZ, N., ed. (1981): *Los precios agrícolas durante la segunda mitad del siglo XIX. II. Vino y aceite*, Madrid: Tecnos.

SCHWARTZ, P. (1977): "El Producto Interior Bruto de España de 1940 a 1960", in P. Schwartz, ed.: *El Producto Nacional de España en el siglo XX*. Madrid: Instituto de Estudios Fiscales, pp. 443-592..

SIMPSON, J. (1986): "La producción agraria en 1886-1890: un enfoque de la agricultura española en el siglo XIX", Report to Banco de España (mimeo).

SIMPSON, J. (1989): "New Estimates for Agricultural Production, 1890-1936" (mimeo).

SIMPSON, J. (1992a): *Agricultural Modernization: The Case of Spain, 1800-1960* (mimeo).

SIMPSON, J. (1992b): "Los límites del crecimiento agrario. España, 1860-1936", in L. Prados de la Escosura & V. Zamagni, eds.: *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza, pp. 103-138.

SUMMERS, R. & A. HESTON (1991): "The Penn World Table (Mark 5): An Expanded Set of International Comparisons, 1950-1988", *Quarterly Journal of Economics*, CVL, 2, pp. 327-368.

TAFUNELL, X. (1989a): "Construcción", in A. Carreras, ed.: *Estadísticas Históricas de España. Siglos XIX-XX*. Madrid: Fundación Banco Exterior, pp. 249-267.

TAFUNELL, X. (1989b): "La construcción residencial barcelonesa y la economía internacional. Una interpretación sobre las fluctuaciones de la industria de la vivienda en Barcelona durante la segunda mitad del siglo XIX", *Revista de Historia Económica*, VII, 2, pp. 389-437.

TENA, A. (1992): *Las estadísticas históricas del comercio internacional: fiabilidad y comparabilidad*, Madrid: Banco de España. Estudios de Historia Económica no. 24.

TORTELLA, G. (1985): "El Producto (Valor Añadido Bruto) del sector bancario español, 1856-1935. Una primera aproximación. Report to Banco de España (mimeo).

TORTELLA, G. (1987): "El sector terciario en España antes de 1936: una nota de escepticismo sobre las estimaciones al uso", *Revista de Historia Económica*, V, 2, pp. 587-597.

TORTELLA, G. (1992): "La historia económica de España en el siglo XIX: un ensayo comparativo con los casos de Italia y Portugal", in L. Prados de la Escosura & V. Zamagni, eds.: *El desarrollo económico en la Europa del sur: España e Italia en perspectiva histórica*, Madrid: Alianza, pp. 56-80.

VANDELLOS, J.A. (1925): "La richesse et le revenu de la Péninsule Ibérique", *Metron*, V,4, pp. 151-186. Spanish version, "La riqueza y la renta de la península ibérica", *Revista de Economía Política*, VI, 2 (1955), pp. 185-225. Reprinted in P. Schwartz, ed.: *El Producto Nacional de España en el siglo XX*. Madrid: Instituto de Estudios Fiscales, pp. 95-138.

VALDALISO, J.M. (1991): *Los navieros vascos y la marina mercante en España, 1860-1935. Una historia económica*, Bilbao: Instituto Vasco de Administración Pública.

APPENDICES: CONTENT

APPENDIX A.

AGRICULTURE.

Note on the construction of an annual index of purchases of inputs outside agriculture.

Table A.1: Ratios of final to total production for main crops.

Table A.2: Conversion coefficients applied to livestock numbers to derive meat, wool and milk output, 1891-1924.

Table A.3: Coverage of the sample of products included in the annual index for each agricultural group at benchmarks (current prices) (%).

Table A.4: Indices of Agricultural Final Output and Gross Value Added, 1850-1964 (1958=100).

INDUSTRY

Table A.5: Manufacturing value added shares by main sectors, 1913-1958.

SERVICES

Table A.6: Gross value added in services: sectoral shares, 1870-1958.

APPENDIX B. INDICES OF REAL GDP AND ITS COMPONENTS, 1850-1964 (1958=100).

Table B.1: Agricultural, forestry and fishing indices.

Table B.2: Industry and construction indices.

Table B.3: Manufacturing indices.

Table B.4: Construction indices.

Table B.5: Indices of services.

Table B.6: Transport and communications indices.

Table B.7: Indices of real GDP at factor costs and its components.

APPENDIX C: PRICE INDICES, GDP AT CURRENT PRICES AND SECTORAL SHARES IN GDP, 1850-1964.

Table C.1: Price indices for agriculture, industry and construction, services and GDP (1958=100).

Table C.2: GDP at factor costs and its components, 1850-1964 (million pesetas).

Table C.3: Gross value added in agriculture, forestry and fishing, 1850-1964 (million pesetas).

Table C.4: Gross value added in industry and construction, 1850-1964 (million pesetas).

Table C.5: Gross value added in services, 1850-1964 (million pesetas).

Table C.6: Sectoral shares in GDP, 1850-1964 at current and 1958 prices (%).

APPENDIX D. ALTERNATIVE ESTIMATES OF SPAIN'S REAL GDP AND INTERNATIONAL COMPARISONS, 1850-1990.

Table D.1: Alternative estimates of Spain's real GDP, 1850-1990 (1980 billion pesetas).

Table D.2: Alternative estimates of Spain's real GDP per head (1980 pesetas).

Table D.3: Real GDP per head: international comparisons (1960 US\$ PPP).

Table D.4: Relative GDP per head, 1870-1990 (USA=100) (1960 US\$ PPP).