

Table A1. Value added, employment and labour productivity in France's manufacturing industry 1840-1845

	Value added (F 000)	Employment (numbers)	Labour productivity	
			in F	in £
Mines and quarries	61283	74559	822	33
Basic metallurgy	86425	58449	1479	59
Iron goods	56664	50458	1123	44
Non ferrous metals	3017	1399	2157	85
Metal goods	13087	11370	1151	46
Precious metals	657,2	531	1238	49
Shipbuilding	6030	4717	1278	51
Chemicals	33026	8046	4105	163
Textiles	568595	590735	963	38
Leather	32269	29859	1081	43
Food and drink	229144	129472	1770	70
Paper mfr.	17117	14753	1160	46
Printing and publishing	11256	7135	1578	62
Woodworking	9057	6015	1506	60
Stone, pottery and glass	59436	55312	1075	43
Fuels	5500	1943	2831	112
Public works	1790	3371	531	21
Miscellaneous	1507	1289	1169	46
Total	1151703	1049413	1097	43

Source: Statistique de la France, 1^e série, t. VIII-XI et Dormois 1999.

Table A2. Value added, employment and labour productivity in French industrial sector, 1851

	Value added (F million)	Employment (thsd)	Labour productivity	
			(in F)	(in £)
Mines and quarries	95,6	113,1	845	33
Basic metallurgy	74,5	80,1	930	36
Metalworking	81,9	77,8	1053	41
Shipbuilding	18,5	18,9	981	38
Chemicals	75,1	47,1	1593	62
Textile	1051,9	1055,7	996	39
Clothing	1314,8	1366,8	962	38
Leather	117,9	122,5	962	38
Paper	96,2	70,7	1361	53
Food and drink	986,1	565,6	1744	68
Woodworking	118,6	108,4	1094	43
Stone, pottery and glass	184,4	254,5	725	28
Luxury	13	7,1	1839	72
Building	807,4	824,8	979	38
Total	5035,9	4713	1069	42

Source: Statistique de la France, 2^e série, t. XIX et Dormois 1999.

Table A3. Value added, employment and labour productivity in French industry, 1861

	<i>Workers</i>	<i>Intermediate costs</i>		<i>Gross output</i>	<i>Value added</i>	<i>Labour prody</i>
	No.	<i>Raw mat.</i>	<i>Fuel</i>			
		(in F million)				in F
SOEs	31539	389.576	2.592	703.995	311.827	9887
Textile	685327	1592.156	25.358	2332.872	715.358	1044
Mines and quarries	109017	6.588	7.443	166.012	151.981	1394
Metallurgy	105366	254.449	63.051	441.476	123.976	1177
Engineering & metal goods	75302	107.963	8.106	210.290	94.221	1251
Leather	19212	155.242	0.792	203.025	46.991	2446
Woodworking	14639	54.100	0.620	78.280	23.560	1609
C�eramique	47966	29.369	17.919	96.919	49.631	1035
Chemicals	21614	197.950	9.066	291.583	84.567	3913
Building	67898	22.339	26.893	99.811	50.579	745
Lighting	4981	48.174	1.222	68.210	18.814	3777
Furniture	7401	6.421	1.034	17.278	9.823	1327
Clothing	54857	61.173	0.701	113.902	52.028	948
Food and drink	174420	2306.847	26.470	2803.819	470.502	2698
Vehicles	18371	23.167	0.888	46.717	22.662	1234
Paper and prints	54997	68.459	4.546	146.141	73.136	1330
Luxury goods	6603	6.760	0.203	13.945	6.982	1057
Total	1467971	4941.16	194.31	7130.287	1994.82	1359

Source: Dormois 1999.

Table A4. Value added, employment and labour productivity in French industry, 1873

	Value added (F million)	Labour (thsd)	Labour productivity	
			(in F)	(in �)
Mines and quarries	204,5	119,7	1708	67
Metallurgy	61,6	43,0	1433	56
Metal goods	234,8	156,9	1496	59
Engineering	180,8	118,8	1522	60
Arms	32,7	17,8	1837	72
Chemicals	116,4	23,0	5061	198
Coal products	71,4	18,0	3967	156
Textile	981,4	862,7	1138	45
Clothing	1260,7	978,2	1289	51
Leather	111,5	35,0	3186	125
Paper and printing	127,1	58,9	2158	85
Food and drink	1626,2	473,4	3435	135
Woodworking	164,1	83,3	1970	77
Furniture	103,9	52,4	1983	78
Stone, pottery and glass	105	73,7	1425	56
Luxury goods	147,6	63,5	2324	91
Building	804,4	640,9	1255	49
Miscellaneous	463,7	714,5	649	25
Industry	6797,6	4339	1567	61

Source: Dormois 2006 Ch. 5

Table A5. Value added, employment and labour productivity in French industry, 1896

	Value added	Labour	Labour productivity	
	(F million)	(thds)	(in F)	(in £)
Mines and quarries	428,4	227,1	1886	74
Metallurgy	88,7	56,2	1578	62
Metal goods	616,2	354,2	1740	68
Engineering	445,4	258,9	1720	67
Arms	75,2	44,4	1694	66
Chemicals	151,6	51,9	2921	115
Coal products	143,9	41,3	3484	137
Textile	988,3	815,8	1211	48
Clothing	1836,4	1758,5	1044	41
Leather	93,6	42,6	2197	86
Paper and printing	325,9	168,5	1934	76
Food and drink	2139,4	1104,2	1938	76
Woodworking	205,2	110,9	1850	73
Furniture	198,9	106,3	1871	73
Stone, pottery and glass	169,9	114	1490	58
Luxury goods	238,3	113,8	2094	82
Building	1194,4	983	1215	48
Miscellaneous	25,7	22	1168	46
Ensemble	9365,5	6373,3	1469	58

Source: Dormois 2006 Ch. 5.

Table A6. Value added, employment and labour productivity in French industry, 1906

	<i>Value added</i>	<i>Labour</i>	<i>Labour productivity</i>	
	in F million	in thds	in F	in £
Mines and quarries	490	280	1750	69
Iron and steel	320	70	4571	179
Metalworking	1750	758,4	2307	90
Non ferrous metals	70	28,3	2473	97
Chemicals	465	124,6	3732	146
Textile	1670	914	1827	72
Clothing	1340	1551	864	34
Leather	580	376,8	1539	60
Paper	165	69,1	2388	94
Printing	260	107,6	2416	95
Food and drink	1515	479,1	3162	124
Woodworking	1305	704,7	1852	73
Pottery and glass	295	166,8	1769	69
Building materials	105	46,6	2253	88
Building	900	550	1636	64
Industry	11230	6227	1830	72

Source: Dormois 1999.

Table A7. Value added, employment and labour productivity in French industry, 1911

	Value added	Labour	Labour productivity	
	(F million)	(in thsds)	in F	in £
Mines and quarries	918,9	361,0	2549	100
Basic metallurgy	258,6	122,1	2118	83
Metal goods	2331,3	758,4	3074	121
Non ferrous metals	112,2	44,2	2538	100
Chemicals	180,9	49,2	3677	144
Textile	1128,7	804,7	1403	55
Clothing	2138,9	1487,7	1438	56
Straw, feather, hair	654,4	287	2280	89
Leather	154,1	52,5	2935	115
Paper and rubber	241,2	92,3	2613	102
Printing	231,6	81,7	2835	111
Food and drink	1413,9	374,8	3772	148
Woodworking, furniture	1728,4	668,5	2585	101
Jewellery	214,9	29,8	7211	283
Cement, pottery and glass	90,2	102,1	883	35
Building	1234,4	624,2	1978	78
Miscellaneous	418,3	166,9	2506	98
Industry	13450,9	6106,6	2203	86

Source: Dormois 2006 Ch. 5.

Table A8. Value added, employment and labour productivity in French industry, 1930

	<i>Employ-ment</i>	<i>Gross output</i>	<i>Interm. costs</i>	<i>Value added</i>	<i>Labour prod</i>
	(numbers)	(Fmillion)			(in FF)
Basic metallurgy	73,792	4630	3239	1403	19013
Metalworking	136,767	6324	3328	2996	21909
Engineering	217,570	12224	6379	5845	26867
Non-ferrous metals	15,053	1225	634	591	39235
Chemicals	96,541	9160	6017	3143	32554
Textiles	120,623	5231	3419	1806	14971
Dressmaking	63,442	3488	2197	1291	20346
Leather	50,999	3181	2248	933	18298
Paper	31,313	1748	1110	638	20369
Printing	36,026	1568	670	898	24926
Food and drink	70,667	11452	9053	2399	33944
Woodworking	74,912	3548	2001	1547	20655
Cement, pottery, glass	75,899	2631	1190	1441	18983
Building & construction	180,621	7107	3206	3802	21047
Manufacturing	1063,604	66410	41492	24931	23440
Industry	1244,225	73517	44797	28732	23092

Source: Dormois, 1998; 2004a.

Table A9. Value added, employment and labour productivity in French industry, 1956

TEI 65		Q	IC	VA	Labour	Labour
		(<i>p</i> x FOB)				<i>prod</i> ^l
		(in million of NF)			(thsd)	(in F)
020	Food, drink and tobacco	31597	18308	13289	563,3	23591
030-052	Fossile fuels	12537	3866	8671	320,74	27034
040-051	Gas, water, electricity	3068	833	2235	112,12	19934
060	Building materials	2991	927	2064	130,02	15874
061	Glass	888	274	614	47,22	13003
070-071	Iron ore and scrap	1108	147	961	29,4	32687
072	Iron and steel	5906	3181	2725	194,38	14019
080	Non-ferrous ores	275	66	209	4,96	42137
082-092	Non-ferrous metals	3243	2076	1167	176,3	6619
093	Rolling mills and foundries	7725	3191	4534	292,96	15477
094	Mechanical engineering	11170	4543	6627	517,06	12817
095	Electrical engineering	6055	2428	3627	213,48	16990
096	Vehicles and cycles	7248	3629	3619	378,96	9550
097	Shipbuilding	1210	612	598	95,32	6274
098	Aircrafts	1773	662	1111	61,6	18036
099	Armaments	832	584	248	16,16	15347
100	Misc. minerals	445	74	371	19,52	19006
101-104	Chemicals & pharmaceuticals	8124	3950	4174	231,26	18049
106	Rubber goods and asbestos	2274	1331	1143	69,5	16446
110-105	Textile	13383	7786	5597	631,82	8859
116	Clothing	8061	3909	4152	457,76	9070
117-118	Leather and hides	997	648	349	77,92	4479
119	Leather goods	2566	1308	1258	144,94	8679
120-122	Wood and furniture	5239	2799	2440	239,58	10184
123-125	Paper and cardboard	2901	1393	1508	102,84	14664
126	Printing and publishing	3639	1438	2201	168,9	13031
127	Miscellaneous	3246	1498	1748	134,06	13039
130	Building and construction	21059	8452	12607	1358,32	9281
	Manufacturing	144109	70589	73720	5129,0	14373
	Industry	169654	79913	89941	6790,4	13245

Source: SEEF (1960).

Table A10. Value added and value added per person, France, 1962

1962	Value added (Fm)	Employment (thsds)	Labour Productivity (in F)
01. Agriculture and forestry	32674	3745	8,725
02. Food, drink and tobacco	21309	640	33,295
03A Fuel	3540	183	19,344
03B Gas	789	17	46,412
04. Electricity	5250	97	54,124
05. Petroleum	11933	63	189,413
06A Building materials	4049	197	20,553
06B Glass	1289	60	21,483
07. Iron and steel	6599	246	26,825
08. Non-ferrous metals	1727	38	45,447
09A Metalworking	8348	420	19,876
09B Mechanical engineering	14784	718	20,591
09C Electrical engineering	7481	322	23,233
09D Vehicles	6251	301	20,767
09E Ship and aircraft	3216	183	17,574
10. Chemicals and rubber	10262	359	28,585
11A Textile	8447	545	15,499
11B Clothing	6873	419	16,403
11C Leather	2646	198	13,364
12A Woodworking	4309	284	15,173
12B Paper and cardboard	3310	123	26,911
12C Printing and publishing	4881	205	23,810
12D Misc.	3334	171	19,497
13. Construction	25693	1598	16,078
Industry	166320	7387	22,515
14A Transport	14171	711	19,931
14B Communications	4003	293	13,662
15. Housing	12402	71	174,676
16. Other services	37087	1994	18,599
19. Trade	44069	1890	23,317
TOTAL	310726	16091	19,311

Source : Carré (1967).

Table A11. Value added, employment and labour productivity in French industry, 1963

1963	<i>Labour occupied</i>	<i>Gross output</i>	<i>Interm. inputs</i>	<i>Value added</i>	<i>Direct taxes</i>	<i>Labour prod.</i>
	numbers	F million				F
Mining, fuels, minerals	336057	22535,8	10148,8	12418,1	4300,1	24157
Pétrole et carburants	42775	13752,8	7273,9	6509,7	3655,3	66731
Solid fuels	209040	5356,1	1447,5	3908,2	339,5	17072
Iron ore	16309	838,8	381,4	457,7	26,5	26439
Other metallic ores	3961	234,7	127,1	107,8	12,1	24161
Quarries	46936	1646,4	652,7	994,3	210,4	16701
Misc. minerals	15780	665,2	253,9	411,3	55,5	22548
Salt	1256	41,8	12,3	29,1	0,8	22532
Iron & steel	252574	17357,5	10415,9	6919,1	656,4	24796
Blast furnaces	139304	9950,6	5883,1	4057,1	320,1	26826
Non-ferrous metals	18529	2722,8	2075	638,4	84,9	29872
	94741	4684,1	2457,8	2223,6	251,4	20817
Mechanical engineering	992343	49065,4	29187,2	19970,6	3796	16299
Rolling mills	80968	6366,4	4331,5	2034,6	461,5	19429
Foundries, chaudronnerie	290961	14941,5	8776,1	6176,4	1184,4	17157
Mechanical engineering	232261	13082,2	8030,6	5134,4	888,9	18279
Machinery	173022	5491,4	2914,5	2578,3	457,6	12257
Metal goods	215131	9183,9	5134,5	4046,9	803,6	15076
Shipbuilding	64018	2513,5	1344,4	1168,4	67	17205
Ships and aircrafts	528419	29388,6	18236	11157,8	1460,8	18351
Automobiles and cycles	437760	24679,6	15808	8875,9	1301,2	17303
Aircrafts	90659	4709	2428	2281,9	159,6	23410
Electrical engineering	466270	23080,6	13724,8	9372,2	1852,5	16127
Electrical equipment	345745	17612,9	10864,1	6760,5	1236,7	15977
Instruments	120525	5467,7	2860,7	2611,7	615,8	16560
Chemicals and allied	437753	35838,2	20661,6	15221,5	4967,9	23423
Chemicals	265301	21848,7	13603,3	8276,4	1381,6	25989
Rubber and asbestos	90164	4719,2	2773,5	1948,5	326,6	17988
Oil and fat	21392	2938,6	2238,6	708,8	139,2	26627
Tobacco and matches	14870	4042,2	676,2	3366,1	2913,8	30417
Plastic	46026	2289,5	1370	921,7	206,7	15535
Textiles	533772	24310,2	15537,5	8757,8	1757,8	13114
Textile manufacture	364906	18583,5	12264,3	6303,6	1323,3	13648
Subsidiaries	168866	5726,7	3273,2	2454,2	434,5	11960
Dress-making	294865	8510,7	5033,4	3480,7	706,3	9409
Leather	163536	5670,6	3483,5	2190,4	489,6	10400
Hides, leather and fur	9400	379,9	249,1	130,9	32,2	10500
Leather goods	56725	2532,7	1609,9	925	235,2	12160
Shoe-making	97411	2758	1624,5	1134,5	222,2	9365
Food and drink	359588	33060,6	24492,1	7139,1	2175,9	19854
Grain milling	41352	5797,1	4840,9	957,8	134,7	19905
Bread and biscuit	29292	1647,9	1007,3	641,9	166,2	16240
Sugar, liquor and drinks	93800	5969	3337,2	1173,5	1167,4	12510
Milk, butter and cheese	77075	9501,7	7620,5	1895,9	154,1	22599
Preserves	59879	4456	3387,4	1071,1	231,9	14015
Slaughterhouses	4951	825,8	669,9	156,4	79,4	15552
Miscellaneous	49268	4707	3567,1	1148,1	232,9	18576

Ice-making	3971	156,1	61,8	94,4	9,3	21430
Wood and furniture	236077	8360,6	4793	3569,4	835,6	11580
Felling and sawing	8456	307,3	186,8	120,4	29,4	10762
Woodworking	227621	8053,3	4606,2	3449	806,2	11611
Paper and printing	309664	16302,6	9270,7	7039,5	1268,9	18635
Paper and cardboard	124019	7603,2	4641,1	2965,8	594,1	19124
Printing and publishing	185645	8699,4	4629,6	4073,7	674,8	18309
Miscellaneous	171487	420845	2992,7	2824,2	543,1	13302
Jewellery, gold and silver plate	22173	874,2	440,5	432	127,3	13742
Games and toys	24988	947,8	574,9	374,9	84,8	11610
Musical instruments	7928	415447	183,2	232,4	50,4	22957
Brush	23152	869,3	468,2	402,1	75,3	14115
Unspecified	17672	647,4	398	249,5	51,8	11187
Mineral water	3604	237,3	157,4	81	17,5	17619
Photography and film	7674	549,3	211,5	338,6	29,5	40279
Cleaning, garbage disposal	64296	1272,6	559	713,8	106,5	9445
Cement, pottery and glass	198652	8233,5	4060,5	4173,1	956	16195
Glass making	60257	2581,1	1309,9	1266,3	179,1	18043
Clay	63778	1728,6	672,4	1057,3	201,6	13417
Building materials	74617	3923,8	2078,2	1849,5	575,3	17077
Building and construction	1555390	44348,5	22618,7	21742,2	5047,5	10733
Gas, water, electricity	144956	11047,5	4428,7	6618,6	409,7	42833
Electricity	92022	7627,6	2794,3	4833,1	288,4	49387
Gas	30712	2460,7	1240,5	1220,3	88,3	36859
Water distribution, heating	22222	959,2	393,9	565,2	33	23949
TOTAL	7036257	348753	203061	145926	28169,9	16736

II. Summary results

	<i>Labour occupied</i>	<i>Gross output</i>	<i>Interm. inputs</i>	<i>Value added</i>	<i>Indirect taxes</i>	<i>Labour prod.</i>
	numbers	F million				F
Mining, fuels, minerals	336057	22535,8	10148,8	12418,1	4300,1	24157
Iron & steel	252574	17357,5	10415,9	6919,1	656,4	24796
Mechanical engineering	992343	49065,4	29187,2	19970,6	3796	16299
Shipbuilding	64018	2513,5	1344,4	1168,4	67	17205
Ships and aircrafts	528419	29388,6	18236	11157,8	1460,8	18351
Electrical engineering	466270	23080,6	13724,8	9372,2	1852,5	16127
Chemicals	437753	35838,2	20661,6	15221,5	4967,9	23423
Textiles	533772	24310,2	15537,5	8757,8	1757,8	13114
Dress-making	294865	8510,7	5033,4	3480,7	706,3	9409
Leather	163536	5670,6	3483,5	2190,4	489,6	10400
Food and drink	359588	33060,6	24492,1	7139,1	2175,9	13802
Wood and furniture	236077	8360,6	4793	3569,4	835,6	11580
Paper and printing	309664	16302,6	9270,7	7039,5	1268,9	18635
Miscellaneous	171487	420845	2992,7	2824,2	543,1	13302
Cement, pottery and glass	198652	8233,5	4060,5	4173,1	956	16195
Building and construction	1555390	44348,5	22618,7	21742,2	5047,5	10733
Gas, water, electricity	144956	11047,5	4428,7	6618,6	409,7	42833
Industry	7036257	348753	203061	145926	28169,9	16736

Source :