

Meantime there has been an increased consumption per head in towns.

About 60,000 tons of frozen mutton are imported into Europe annually from Australia and the River Plate. An engine of 70-horse power serves to refrigerate a chamber containing 250 tons of meat, and consumes 50 tons of coal in a voyage of forty days.

The production of meat was approximately as follows:—

	Tons Yearly			
	1831-40	1861-60	1874-84	1887
U. Kingdom	980,000	1,047,000	1,100,000	1,105,000
France	670,000	940,000	1,155,000	1,200,000
Germany	900,000	1,846,000	1,300,000	1,375,000
Russia	1,430,000	1,670,000	1,800,000	1,885,000
Austria	990,000	980,000	1,080,000	1,080,000
Italy	300,000	300,000	330,000	360,000
Spain	405,000	350,000	470,000	525,000
Portugal	70,000	77,000	90,000	95,000
Sweden	106,000	120,000	135,000	140,000
Norway	44,000	64,000	67,000	67,000
Denmark	100,000	115,000	120,000	115,000
Holland	96,000	104,000	120,000	112,000
Belgium	70,000	90,000	105,000	110,000
Other countries	310,000	360,000	440,000	451,000
Europe	6,471,000	7,463,000	8,303,000	8,633,000
U. States	2,050,000	2,650,000	4,120,000	4,750,000
Canada	90,000	140,000	240,000	260,000
Australia	40,000	140,000	300,000	450,000
Argentina	50,000	100,000	300,000	300,000
Republic				
Total	8,701,000	10,493,000	13,263,000	14,393,000

The production in the various countries in 1887 was approximately as follows:—

	Tons Produced				Consumption
	Beef	Mutton	Pork	Total	
United Kingdom	545,000	365,000	195,000	1,105,000	1,793,000
France	660,000	290,000	290,000	1,240,000	1,320,000
Germany	710,000	415,000	455,000	1,575,000	1,385,000
Russia	1,050,000	120,000	180,000	1,350,000	1,855,000
Austria	640,000	85,000	320,000	1,045,000	1,050,000
Italy	220,000	55,000	350,000	625,000	330,000
Spain	125,000	25,000	45,000	195,000	525,000
Portugal	85,000	14,000	23,000	122,000	94,000
Sweden	103,000	15,000	4,000	122,000	140,000
Norway	48,000	15,000	2,000	65,000	73,000
Denmark	74,000	9,000	23,000	106,000	57,000
Holland	93,000	5,000	31,000	129,000	105,000
Belgium	74,000	48,000	14,000	136,000	83,000
Switzerland	48,000	20,000	30,000	98,000	210,000
Roumania	120,000	40,000	50,000	210,000	275,000
Servia	27,000	20,000	3,000	50,000	67,000
Greece	12,000	20,000	3,000	35,000	47,000
Europe	4,574,000	2,845,000	2,314,000	9,733,000	9,997,000
United States	2,190,000	390,000	2,170,000	4,750,000	4,100,000
Canada	170,000	24,000	60,000	254,000	200,000
Australia	115,000	300,000	35,000	450,000	420,000
Argentina	150,000	300,000	30,000	480,000	250,000
Total	7,805,000	2,709,000	4,479,000	14,993,000	14,267,000

There is a surplus production of 126,000 tons, which is consumed in the West Indies, Brazil, and other countries. At present Europe imports 660,000 tons yearly, and large supplies may in future be obtained from the United States, Australia, and the River Plate. Taking the

slaughter as usual in Europe, viz., 20 per cent. yearly of horned cattle, 40 per cent. of sheep, and 100 per cent. of pigs, and the average carcass at 500 lbs. of beef, 50 lbs. of mutton, and 100 lbs. pork, the annual production and the available surplus for exportation would be:—

The annual production in tons was as follows:—

Period	Beef				
	United Kingdom	Continent	United States	Colonies, &c.	Total
1831-40	300,000	2,790,000	630,000	100,000	3,820,000
1851-60	410,000	3,420,000	920,000	200,000	4,950,000
1874-84	520,000	3,843,000	1,540,000	400,000	6,303,000
1887	545,000	4,029,000	2,190,000	441,000	7,205,000

Period	Mutton				
	United Kingdom	Continent	United States	Colonies, &c.	Total
1831-40	480,000	1,320,000	170,000	80,000	2,050,000
1851-60	430,000	1,390,000	220,000	160,000	2,200,000
1874-84	390,000	1,420,000	310,000	350,000	2,470,000
1887	365,000	1,480,000	390,000	474,000	2,709,000

Period	Pork				
	United Kingdom	Continent	United States	Colonies, &c.	Total
1831-40	200,000	1,380,000	1,250,000	---	2,830,000
1851-60	110,000	1,600,000	1,510,000	20,000	3,240,000
1874-84	190,000	1,940,000	2,270,000	90,000	4,490,000
1887	195,000	2,019,000	2,170,000	95,000	4,479,000

Period	Total of Meat				
	United Kingdom	Continent	United States	Colonies, &c.	Total
1831-40	980,000	5,490,000	2,050,000	170,000	8,700,000
1851-60	1,050,000	6,410,000	2,650,000	340,000	10,450,000
1874-84	1,100,000	7,203,000	4,120,000	840,000	13,263,000
1887	1,105,000	7,528,000	4,750,000	920,000	14,393,000

The relative increase of each kind of meat since 1830 is shown in the following table:—

	1831-40	1861-60	1887
Beef	100	100	188
Mutton	100	100	132
Pork	100	100	118
All meat	100	100	120

FOOD-SUPPLY.

Production of Meat, lbs. yearly per Inhabitant.



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