

LOCOMOTIVES.

Year.	United Kingdom.	Continent of Europe.	United States.	Colonies.
	H.p.	H.p.	H.p.	H.p.
1840	200,000	90,000	200,000	...
1850	700,000	630,000	600,000	10,000
1860	1,400,000	2,210,000	1,800,000	300,000
1870	2,140,000	5,200,000	3,300,000	1,100,000
1880	3,200,000	9,640,000	5,700,000	2,700,000
1888	3,500,000	12,780,000	9,300,000	6,400,000

FRANCE.—1888 : Steam-power, including shipping, 4,520,000-horse power. 1901 : Locomotives, 4,000,000-horse power ; fixed, 2,500,000-horse power.—“ Annales des Ponts et Chaussées.”

UNITED KINGDOM.—1904 : 23,800 locomotives, probably 14,000,000-horse power.

NEW ZEALAND PUBLIC WORKS.

UTILISATION OF WATER-POWER.

SUMMARY OF BRAKE HORSE-POWER AVAILABLE FOR CONTINUOUS WORKING.

North Island.

Scheme.	Brake Horse-power.	Scheme.	Brake Horse-power.
Wairua	1,600	Waitara	2,000
Okere	15,800	Rangitikei	50,500
Huka	38,000	Waihi	400
Aratiatia	92,000	Makuri	3,000
Aniwhaniwha, or gorge below	48,000	Waiohine	7,000
Rotoaira, augmented	25,000	Otaki	4,000
Waikaremoana }	140,000	Tauherenikau	5,000
Waikareiti }	12,000	Hutt	5,000
Te Reinga	24,000	Akatarawa	1,000
Mangawhero	8,000	Minor schemes, say	15,700
Manganui-a-te-ao	1,500		
Wangaehu	500		500,000
Turakina			

South Island.

Scheme.	Brake Horse-power.	Scheme.	Brake Horse-power.
Wairau	10,000	Tekapo	550,000
Waihopai	3,000	Pukaki	70,000
Awatere	5,000	Ohau, two schemes	130,000
Clarence	100,000	Waitaki, Goose Neck	100,000
Maitai	1,000	Ahuriri	6,000
Roding and Lee, &c.	2,000	Deep Stream	7,000
Boulder Lake	9,000	Taieri	14,000
Rotoiti and Buller	20,000	Beaumont	1,000
Rotoroa	30,000	Talla Burn	2,600
Buller, say three schemes below Gowan	50,000	Teviot	15,000
Inangahua	7,000	Manuherikia	5,000
Waiau-ua	25,000	Hawea	90,000
Brunner	22,000	Kawarau	100,000
Otira and Rolleston, &c.	6,000	Shotover	15,000
Kanieri	2,800	Lake Hall	40,000
Whitcombe, two or more schemes	30,000	Lake Hilda	55,000
Kakapotahi	3,000	Lake Cecil	15,000
Wanganui	30,000	Te Anau	750,000
Wataroa, say	60,000	Manapouri	420,000
Falls, Westland	11,500	Mararoa, say	10,000
Waimakariri	115,000	Monowai	14,000
Coleridge (with Wilberforce)	70,000	Hauroko	80,000
Rakaia, with 150 ft. dam	35,000	Minor schemes, say	24,100
Heron	8,000		
Rangitata	25,000		3,200,000
Opihi	6,000		

Grand Totals.

North Island	500,000
South Island	3,200,000
	<u>3,700,000</u>