

THE FIRST RAILWAYS.

Country.	Name of Railway.	Length.	Date of Opening.
England	Stockton & Darlington ...	23 miles	27 August, 1825
England	*Manchester & Liverpool .	33 "	15 Sept., 1825
United States..	Stockton & Stokes	"	28 August, 1828
United States..	Honesdale & Carbondale..	16 "	8 August, 1829

* First practical Railway ran as such. The first Canadian Railway was the St. Lawrence and Champlain, connecting the River and Lake of same respective names.

FAST RAILWAY SPEEDS.

Railway.	Train.	Dis.—Miles.	Time.	Speed per hour
London—Swindon	Express	77½	1 h. 27 m.	53
London—Wantham	Spec. Express	105	2 05	50
London—Edinburgh	Express	395	9 00	44
Berlin—Magdeburg	Express	88½	2 07	42
Berlin—Cologne	Express	364	9 26	37½
Paris—Marseilles	L. Express..	539	15 21	35
New York—Washington .	Express	230	6 00	38½
New York—Pittsburg ...	Cin. Express	444	14 30	30

The London & Brighton (England) Express averages 55 to 60 miles per hour; the Jersey & Philadelphia Express makes the 88 miles in about 1½ hours. American fast trains average 30 miles per hour; Austrian and Russian, 27 miles.

HIGHEST RAILWAY LEVELS.

Mollendo and Titicaca Line, Peru, 14,660 feet; Callao and Oroya Line, Peru, 17,574 feet; Mount Ceniz, 4,460 feet; Central Pacific Railway, 8,242 feet; and Canada Pacific, 3,646 feet.

GREAT STEAM SHIPS.

Name.	Owner or Line.	Length.	Beam	Depth	Ton'ge.	Masts	H. Power
Great Eastern ...	Trans-Atlantic Co'y	680	83	60	27000	6	10000
*Servia	Cunard	533	52	44½	8500	3	10000
City of Rome	Inman	546	52	38½	8300	4	10000
*City of Berlin ..	Inman	520	44	37	5491	4	7000
Alaska	Williams & Guion..	520	50½	38	3000	4	11000
Arizona	Williams & Guion..	465	46	37½	5000	4	7000
†Parisian	Allan	450	40	36	5500	4	6200

* Average speeds 18 miles per hour. The Alaska has made the Atlantic voyage in 6d. 15h. 19m.; repeatedly under 7 days.

FAST STEAM VESSELS.

				H. P.	Time per H.
Gitana	Baroness Rothschild	91	13½	450	23.82 miles
Lord of Isles	Western Coast ...	246	24	8½	24.00 "
†Mercury	War Vessel	300	46	16½	7595

† Steel Vessels.