

The C.P.R. between May 16 and June 13 placed orders for the following additional equipment: 33 vans, to be built at the company's Farnham, Que., shops; and 50 steel ore car bodies to be built in the U.S., the trucks to be constructed at its own shops. The order placed at the Perth shops for 50 ore cars has been cancelled.

The Intercolonial Ry. added the following to its equipment between Jan. 1. and May 31: 89 box cars, 60,000 lbs. capacity; 40 box cars, 80,000 lbs. capacity; two express and baggage cars, nine auxiliary cars, from Rhodes, Curry & Co., Amherst, N.S.; and four second-class vestibuled sleeping cars. It also received within the same period 10 consolidation freight locomotives, completing an order for 20 given the Canadian Locomotive Co., Kingston, Ont., in 1903.

The Intercolonial Ry.'s air brake instruction car recently completed for the Intercolonial Ry. by Rhodes, Curry & Co., Amherst, N.S., is 69 ft. 3 in. long over end sills, and is divided into three compartments—the boiler room, instruction room, and the instructor's office and sleeping room. The car is steam heated and is lighted with Pintsch gas. The boiler room is fitted with a 12 h.p. boiler, 9 1/2 in. Westinghouse air pump, duplex water pump for boiler feeding; and the second room

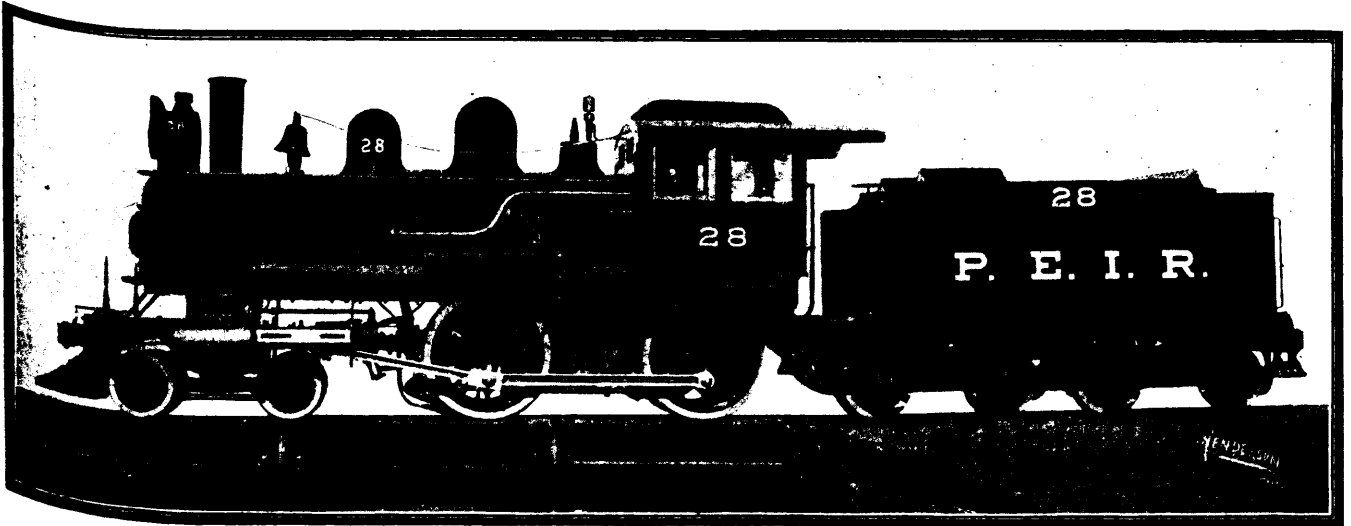
cars, with Rhodes, Curry & Co., Amherst, N.S. Three second-class vestibuled sleeping cars, fitted with Pintsch gas, out of an order of seven sleeping cars placed in Canada, and four sleeping cars ordered in the U.S. The Canadian Locomotive Co., Kingston, Ont., has in course of delivery, in addition to 10 passenger locomotives, eight consolidation freight locomotives, two switching engines and five 10 wheel passenger locomotives.

The Baltimore and Ohio Rd. is exhibiting at the St. Louis Exposition a Mallet type articulated locomotive, recently built at the American Locomotive Co.'s Schenectady works, which is said to be the heaviest and most powerful locomotive ever constructed. Following are the general dimensions, etc: cylinders, 20 in. and 32 in.; stroke, 32 in.; driving wheels, diameter, 56 in.; boiler, diameter, 84 in.; firebox, length, 108 1/2 in.; firebox, width, 96 1/4 in.; boiler pressure, 235 lbs.; tubes, 80., 436; tubes, diameter, 2 1/4 in.; length, 21 ft.; wheel base, driving, 10 ft. and 10 ft.; total, 30 ft. 8 in.; engine and tender, 64 ft. 7 in.; weight on drivers, 334,500 lbs.; total weight, 334,500; tank capacity, 7,000 gals.; weight of tender loaded, 143,000 lbs.; heating surface—tubes, 5,366.3 sq. ft.; fire box, 219.4 sq. ft.; total, 5,585.7 sq. ft.; grate area, 72.2 sq. ft.; tractive power, 71,500 lbs.; factor of adhesion,

Tank—Capacity	6,000 gallons
Tender—Wheels	No. 8, diameter, 34 in.
Journals	5 1/2 in. x 10 in.

The Intercolonial Ry.'s two switching engines, which are being built by the Canadian Locomotive Co., have following dimensions:

Weight in working order, drivers	122,600 lbs.
" " total	122,600 lbs.
Wheel base of engine, rigid	11 ft. 0 in.
" " tender, total	11 ft. 0 in.
" " engine and tender	39 ft. 0 in. 11-16 in.
Length over all, engine and tender	52 ft. 7 1/2 in.
Width	10 ft. 2 in.
Height	14 ft. 9 1/2 in.
Heating surface, firebox	1,338 sq. ft.
" tubes	1,344 sq. ft.
" total	2,682 sq. ft.
Diameter of driving wheels	51 in.
Material of driving wheels, centres	cast iron
Diameter and length of driving journals	8 1/2 in. x 10 in.
Diameter of cylinders	18 in.
Stroke of cylinders	26 in.
Type of boiler	radial stayed
Working pressure of boiler	200 lbs.
Number of tubes	239
Diameter of tubes	2 in.
Length of tubes	10 ft. 6 in.
Safety valves	1 muffed, 1 plain
Brakes	Westinghouse
Kind of packing	metallic
Weight of tender, loaded	90,000 lbs.
Capacity of tank in imp. gallons	3,800 gals.
Style of tank	square
Coal capacity	6 tons
Style of truck	diamond, all steel
Diameter of wheel	33 in.
Kind of wheel	wrought iron centre, steel tires
Diameter and length of journal	4 1/2 in. x 8
Brake beam	steel



PRINCE EDWARD ISLAND RY. LOCOMOTIVE BUILT BY THE CANADIAN LOCOMOTIVE CO.

is fitted with all the appliances necessary for the giving of instruction in the operation of the Westinghouse air brake. This room has accommodation for 20 students.

The Canadian Locomotive Co., Kingston, Ont., is exhibiting at the St. Louis Exposition one of the narrow gauge locomotives recently completed for the Prince Edward Island Ry. The general dimensions are: cylinders, 15 in. by 20 in.; diameter of driving wheels, 54 in.; diameter of boiler, 53 3/8 in.; heating surface, 850 sq. ft.; weight in working order, 70,000 lbs.; weight on driving wheels, 45,000 lbs.; rigid wheel base, 7 ft. 9 in.; total engine and tender, 38 ft. 6 in. The boiler is radial stayed extended wagon top, entirely of steel; and the tender tank has a capacity of 2,800 imp. gals. The special fixtures include Westinghouse automatic brake and air signals, Krupp steel tyres, and N. L. Piper Ry. Supply Co.'s signal lamps.

The Intercolonial Ry. on May 31 had on order and in course of delivery the following equipment: 81 box cars, 60,000 lbs. capacity, fitted with Westinghouse air brakes and M. C. B. couplers, out of an order of 100; 260 box cars, 80,000 lbs. capacity, out of an order of 300; 175 platform cars, 60,000 lbs. capacity; 250 hopper cars, 30,000 lbs. capacity; 10 first-class passenger cars, and seven baggage

cars, with Rhodes, Curry & Co., Amherst, N.S. Three second-class vestibuled sleeping cars, fitted with Pintsch gas, out of an order of seven sleeping cars placed in Canada, and four sleeping cars ordered in the U.S. The Canadian Locomotive Co., Kingston, Ont., has in course of delivery, in addition to 10 passenger locomotives, eight consolidation freight locomotives, two switching engines and five 10 wheel passenger locomotives.

The Baldwin Locomotive Works, Philadelphia, Pa., has just completed six freight locomotives for the G.T.R., marked Detroit and Toledo Shore Line, of which the G.T.R. is part owner. Following are the general dimensions:

Cylinder—Type	22 1/2 x 35 in. x 26 in.
Boiler—Material	wagon top; material, steel
" Diameter	62 in.
" Thickness of sheets	21-32 in.
" Working pressure	200 lbs.
" Fuel	soft coal
" Staying	radial
Firebox—Material	Steel
" Length	120 in.; width, 40 3/8 in.
" Depth	front, 76 1/2 in.; back, 65 in.
" Thickness of sheets, sides	5-16 in.; tube, 3/8 in.
" " crown	3/8 in.; tube, 3/8 in.
" Water space	front, 4 in.; sides, 3 1/2 in.; back, 4 in.
Tubes—Material	iron; wire gauge, .125 in.
" Number	283; diameter, 2 in.; length, 11 ft. 11 in.
Heating surface—Firebox	1,981 sq. ft.
" " Tubes	1,753.3 sq. ft.
" " Total area	3,734.3 sq. ft.
" " Grate area	33.43 sq. ft.
Driving wheels—Diameter outside	65 in.
" " Diameter of centre	55 in.
" " Journals	9 1/2 in. x 12 in.
Engine truck wheels (front)	diameter, 38 in.
Journals	6 1/2 in. x 10 1/2 in.
Wheel base—Driving	15 ft. 8 in.
" " Rigid	15 ft. 8 in.
" " Total engine	24 ft. 3 in.
" " Total engine and tender	51 ft. 1 in.

The Intercolonial Ry.'s eight consolidation locomotives which are being built by the Canadian Locomotive Co., Kingston, Ont., have the following dimensions:

Gauge	4 ft. 8 1/2 in.
Fuel used	Bituminous coal
Weight in working order, drivers	148,700 lbs.
" " total	164,850 lbs.
Wheel base of engine, rigid	15 ft. 3 in.
" " and tender	23 ft. 6 in.
Length over all, engine and tender	54 ft. 5 in.
Width	65 ft. 1 in.
Height	10 ft. 2 in.
Heating surface, fire box	1,622 sq. ft.
" tubes	1,934 sq. ft.
" total	3,556 sq. ft.
Diameter of driving wheels	56 in.
Material of driving wheel centres	main, cast steel. [others cast iron]
Diameter and length of driving journals	8 x 12
Diameter of cylinders	21 in.
Stroke of cylinders	28 in.
Type of boiler	Radial stayed
Working pressure of boiler	200 lbs.
Number of tubes	236
Diameter of tubes	2 1/4 in.
Length of tubes	114 in.
Brakes	Westinghouse
Kind of packing	metallic
Weight of tender, loaded	120,000 lbs.
Capacity of tank in imp. gallons	5,000 gals.
Style of tank	U shaped, sloping coal well
Coal capacity	10 tons
Style of truck	Diamond, all steel
Diameter of wheel	34 in.
Kind of wheel	Wrt. iron centre, steel tire
Diameter and length of journal	5 1/2 in. x 10 in.
Brake beam	Steel