Grand Trunk Equipment.

The 10-wheel passenger locomotive illustrated on page 167 is the first of an order for 6 recently turned out at the G.T.R. shops, Montreal. Following are the general dimensions :—

CYLINDERS.—Diameter	20 in.
" Stroke	26 in.
BOILER.—Diameter	62 in.
" Working pressure	200 lbs.
FIRE BOX.—Material	Steel.
" Length	120 in.
" Width	40⅛ in.
" Depth, front	76¾ in.
HEATING SURFACE.—Grate area	33.43 sq. ft
DRIVING WHEELS.—Diamete, outside	72 in.
" " Journals	9½ x 12 in.
WHEEL BASE.—Driving	15 ft. 8 in.
" " Total engine	26 ft. 11 in.
" " Total engine & tender	53 ft. 9 in.
WEIGHT.—Total engine	166,000 lbs.
" Total engine & tender	268,000 lbs.
TENDER.—Tank capacity	4,500 gallons.

These monster locomotives are 64¾ ft. long & in order to pass under the bridges are 14¾ ft. high.

The Co. is also building 6 moguls for freight service, the general dimensions being as follows :—

CYLINDERS.—Diameter	20 in.
" Stroke	26 in.
BOILER.—Diameter	62 in.
" Working pressure	200 lbs.
FIRE BOX.—Material	Steel.
" Length	120 in.
" Width	40⅛ in.
" Depth, front	73¾ in.
HEATING SURFACE.—Grate area	33 43 sq. ft.
DRIVING WHEELS.—Diameter, outside	62 in.
" " Journals	9½ x 12 in.
WHEEL BASE.—Driving	15 ft. 8 in.
" " Total engine	24 ft. 1 in.
" " Total engine & tender	50 ft. 11 in.
WEIGHT.—Total engine	153,000 lbs.
" Total engine & tender	253,000 lbs.
TENDER.—Tank capacity	4,500 gallons.

A little while ago the Co. called for tenders for 500 box cars, but the prices quoted were so high that they will be built at its Montreal shops.

The Co. has recently placed on the day run between Montreal & Toronto, both ways, 2 magnificent vestibuled trains, entirely built in the Montreal shops; each train consists of parlor car, composite cafe-parlor car, 1st class car, & composite baggage & 2nd class car, with compartment for smokers. The parlor compartment of the composite cafe-parlor car has 10 revolving chairs covered in peacock blue plush, & 2 wicker chairs. Large windows are another feature The dining-room has seating capacity for 12. It is handsomely carpeted, & furnished with leather-covered movable chairs. The kitchen, pantry, refrigerator, wine locker, gas range & buffet, are arranged in a most compact way with a view to quick service & a saving of space. At the further end of the car are the smoking room & men's saloon with large open lavatory. The smoking room is supplied with 5 arm chairs & a sofa, the latter accommodating 3 persons.

Intercolonial Equipment.

Following is a list of orders placed during the past few months for I.C.R. equipment, most of which has already been delivered :

1 locomotive, with Cleveland cylinders, built by Baldwin Locomotive Works ; 5 express locomotives.

8 sleeping cars, 4 dining cars, 10 1st class cars, 9 2nd class sleepers, 6 baggage cars, the latter by Rhodes, Curry & Co., Amherst, N.S.; 4 postal and baggage cars, by Rhodes, Curry & Co.

100 flat cars, & 250 box cars, by Rhodes, Curry & Co., also 150 box cars.

The Dominion estimates for 1899-1900 provide $343,000 for rolling stock chargeable to capital, against $600,000 in 1898-9. To apply air brakes to freight cars $20,000 is provided, the same as for the current year. $5,000 is provided for machinery at Moncton. The P.E.I. Ry. is to get $8,000 for rolling stock, against $3,500 this year.

Canada Atlantic Equipment.

The Ottawa, Arnprior & Parry Sound Ry. has had a number of locomotives for both passenger & freight service built at the Baldwin Locomotive Works, Philadelphia, during the past few months. No. 631, illustrated on page 169, has been in service for some little time. Following are the general dimensions of some of the locomotives :

FOR FAST PASSENGER SERVICE.

CYLINDERS.—Diameter, (high pressure)	13 in.
" " (low pressure)	22 in.
" Stroke	26 in.
" Valve	Balanced Piston
BOILER.—Diameter	60 in.
" Thickness of Sheets	11-16 in.
" Working Pressure	200
" Fuel	Soft Coal.
FIREBOX.—Material	Steel.
" Length	103 3-16 in.
" Width	42⅛ in.
" Depth	F., 71½ in.; B., 69 in.
" Thickness of Sheets, sides	5-16 in.
" " " back	5-16 in.
" " " crown	⅜ in.
" " " tube	½ in.
TUBES.—Number	262
" Diameter	2 in.
" Length	15 ft.
DRIVING WHEELS.—Diameter Outside	78 in.
" " of Centre	72 in.
" Journals	8 x 12 in.
ENGINE TRUCK WHEELS.—Diameter	36 in.
" " Journals	5½ x 10 in.
TRAILING WHEELS.—Diameter	54 in.
" Journals	8 x 12 in.
WHEEL BASE.—Driving	6 ft. 9 in.
" Total Engine	25 ft. 6 in.
" Rigid	13 ft. 9 in.
TENDER.—Diameter of Wheels	36 in.
" Journals	5 x 9 in.
" Tank Capacity	6,000 gals.

FOR FREIGHT SERVICE.

CYLINDERS. - Diameter, (high pressure)	14 in.
" " (low pressure)	24 in.
" Stroke	26 in.
" Valve	Balanced Piston.
BOILER.—Diameter	60 in.
" Thickness of Sheets	⅜ & 11-16 in.
" Working Pressure	180
" Fuel	Soft Coal.
FIREBOX.—Material	Steel.
" Length	102⅛ in.
" Width	42 in.
" Depth	F. 69½ in., B. 58½ in.
" Thickness of Sheets, sides	⅜ in.
" " " back	⅜ in.
" " " crown	½ in.
" " " tube	½ in.
TUBES.—Number	280
" Diameter	2 in.
" Length	14 ft., 4½ in.
DRIVING WHEELS.—Diameter outside	56 in.
" " of centre	50 in.
" Journals	8½ x 11 in.
ENGINE TRUCK WHEELS.—Diameter	30 in.
" " Journals	6 x 10 in.
WHEEL BASE.—Driving	13 ft.
" Total Engine	24 ft. 9 in.
WEIGHT.—On Drivers	116,850 lbs.
" On Truck	33,930 lbs.
" Total Engine	150,780
TENDER.—Diameter of Wheels	33 in.
" Journals	5 x 9 in.
" Tank Capacity	4,000 gals.

FOR FREIGHT SERVICE.

CYLINDERS.—Diameter (high pressure)	15½ in.
" " (low pressure)	26 in.
" Stroke	30 in.
" Valve	Balanced Piston.
BOILER.—Diameter	68 in.
" Thickness of Sheets	11-16 x ¾ in.
" Working Pressure	180
" Fuel	Soft Coal.
FIREBOX.—Material	Steel
" Length	120⅛ in.
" Width	42 in.
" Depth	F. 72¼ in., B. 69¼ in.
" Thickness of Sheets, sides	⅜ in.
" " back	⅜ in.
" " crown	½ in.
" " tube	½ in.