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
" Stroke
BoilerDiameter
" Working pressure200 lbs.
FIRE Box.—MaterialSteel.
" Length120 in.
" Width401/8 in.
" Depth, front
HEATING SURFACE.—Grate area33.43 sq. ft
DRIVING WHERLS.—Diameter outside
" Journals9½ x 12 in.
WHEEL BASE.—Driving
" Total engine
" Total engine & tender 53 ft. 9 in.
WEIGHT.—Total engine
" Total engine & tender 268,000 lbs.
TENDER.—Tank capacity

These monster locomotives are 64¾ ft. long & in order to pass under the bridges are 1434 ft. high.

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

CYLINDERS.—Diameter
" Stroke
BOILERDiameter
"Working pressure200 lbs.
FIRE Box.—Material Steel.
" Length
" Width
" Depth, front
HEATING SURFACE Grate area
DRIVING WHEELS Diameter, outside 62 in.
" Journals9½ x 12 in.
WHEEL BASEDriving
" Total engine 24 ft. 1 in.
" Total engine & tender 50 ft. 11 in.
Weight,—Total engine
" Total engine & tender253,000 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

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 to 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 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,

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 Rv. has had a number of locomotives for both passenger & freight service built at the Bald-win 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.

		on one of the original or other original origina
•••	RS.—Diameter, (high	pressure)13 in. pressure)22 in.
**	Stroke	26 in
**	Valve	Balanced Piston
BOILER	-Diameter	60 in
••	Thickness of Sheets	
**	Working Pressure.	
_ ••	ruel	Soft Coal
FIREBOX	.—Material	Steel
••	Length	
**	Width	42½ in

IREBOX	—Depth		F., 71½ in.; B., 69 in. s, sides
••	Thickness	of Sheet	s sides s-16 In.
	1 mckiless	or onect.	back5-16 in.
			Dack
••	•••	•••	
••	••	••	tube
Tubes	Number		
D	Length		0utside 78 in.
DRIVING	WHEELSI	Jiameter	of Centre
•	•	٠. (of Centre72
	· I		
ENGINE '	FRUCK WHE	tts Dia	meter
T			
IRAILING	WHEELS.	Diameter	8 x 12 in.
WHEEL	Base.—Drivi	ng	6 ft. 9 in.
• •	Total	Engine.	25 ft. 6 in.
4.6	Rigid	g	
T	Diameter.	C 3371 1	s36 in.
I ENDER.	Diameter o	or writeen	s
	Journals .		5
"	Tank Ca	pacity	6,000 gals.
			SERVICE

CYLINDERS Diameter, (high pressure)	
	. 14 ;
" (low proceure)	. 24 111
the Camalan	26 III
Stroke	intol
" Valve Balanced I Boller.—Diameter. " Thickness of Sheets.	1500
Boiler.—Diameter.	.60 !!
" Thickness of Sheets 5/ 8/ 1	-16 10
Timekness of Sheets	18
" Working Pressure	اومات
" Fuel Soft	Con
" Thickness of Sheets	Stee
FIREBOX.—Material. Length Wildel	21/8 11
Length	in in
" Width	37 in
" Depth F. 60 1/2 in., B. 5	8/2:
" Thickness of Sheets sides	.38
11 11 11 Land	36 10
back	· iZ in
" crown	· 47 in
" " tube	. 72 0
" Length 10 Width 10 Popth 10	20
2 14	. 14 10
" Diameter	472 10
Driving Wurris - Diameter outside	
	. 5"
DRIVING WILDER	-0 15
" of centre	.50 II
" of centre	.50 II
" of centre	.50 II
" of centre	50 11 11 11 30 11
" of centre	50 11 11 11 30 11
" Journals 8½ ENGINE TRUCK WHEELS.—Diameter. " Journals 6 WHEBL BASE.—Driving 6	50 II X 11 II 30 II X 10 II 13 II
Journals 8½ ENGINE TRUCK WHEELS.—Diameter. "Journals 6 WHEEL BASE.—Driving 24	50 II K II II 30 II K IO II 13 II t. 9 II
Journals 8½ ENGINE TRUCK WHEELS.—Diameter. "Journals 6 WHEEL BASE.—Driving 24	50 II K II II 30 II K IO II 13 II t. 9 II
Journals	30 if 30 if 10 if 13 if 1. 9 if
Journals 8½	50 lb
Journals 8½	50 lb x 11 ir x 10 in x 10 in 13 ft ft. 9 ir 350 lbs 350 lbs 350 lbs 370 lb
Journals 8½	50 lb x 11 ir x 10 in x 10 in 13 ft ft. 9 ir 350 lbs 350 lbs 350 lbs 370 lb
Journals 8½	50 lb x 11 ir x 10 in x 10 in 13 ft ft. 9 ir 350 lbs 350 lbs 350 lbs 370 lb
Journals 8½	50 lb x 11 ir x 10 in x 10 in 13 ft ft. 9 ir 350 lbs 350 lbs 150.78 150.78 1 x 9 ir x 9 ir x 9 ir

Stroke..... Valve...... Diameter..... of Sheets orking Pressure.....

Fuel So -Material FIREBOX. Length.. Width .. s of Sheets, back

. Balanced Pi

time has a commercial value; promptness secures business immediate information is required: answer is wante wanted. you are not in business for exercise:

STAY AT HOME AND TELEPHONE.

The Bell Telephone Company of Canada will be pleased to furnish details.

Established 1831.

Annual Capacity 1,000.

Baldwin Locomotive

SINGLE EXPANSION AND COMPOUND LOCOMOTIVES.

Broad and Narrow Gauge Locomotives; Mine and Furnace Locomotives; Compressed Air Locomotives; Steam Cars and Tramway Locomotives; Plantation Locomotives; Oil Burning Locomotives.

Adapted to every variety of service, and built accurately to gauges and templates after standard designs or to railroad companies' drawings. Like parts of different engines of same class perfectly interchangeable.

Electric Locomotives and Electric Car Trucks with Approved Motors.

Burnham, Williams & Co., Philadelphia, Pa., U.S.A