winter if it finds it economical to do so. It is also converting a number of platform cars into box cars to meet the immense demand consequent on Manitoba's great harvest.

The Mineral Range Rd., a subsidiary of the C.P.R., has ordered four consolidation and two six-wheel locomotives for Dec. delivery. The consolidation locomotives will weigh 200,000 lbs., with 180,000 lbs. on drivers; will have 20-in. x 30-in. cylinders, 55-in. driving wheels, straight top boilers with working steam pressure of 200 lbs., 375 tubes 21/4 in. diam. and 14 ft. long, fire-boxes 126 in. long and 40 in. wide, tank capacity for 6,000 gals. of water and 10 tons of coal. The switching locomotives will weigh 120,000 lbs.; they will have 19-in. x 26-in. cylinders, 51-in. drivers, straight top boilers with working steam pressure of 180 lbs., 217 tubes 21/4 in. in diam. and 12 ft. long, fire-boxes 108 in. long and 331/2 in. wide, tender capacity for 3,000 gals. of water aud four tons of coal. All are to be equipped with Westinghouse air brakes.

J. W. Taylor, Secretary of the Master Car Builders' Association, Rookery Building, Chicago, announces that the Rules of Interchange, as revised this year, are now ready for distribution. The prices are the same as heretofore: 25 copies, \$1; 50 copies \$1.75; 100 copies, \$3. Postage is added when books are sent by mail. Mr. Taylor will also receive requests, to be transmitted to Washington, for copies of the pamphlet, issued by the Interstate Commerce Commission, containing the rules which have been compiled for the guidance of the inspectors of the Commission in their examination of cars for defects which violate the Federal laws concerning safety appliances. The Secretary of the Interstate Commerce Commission has agreed to furnish to the members of the Association, without charge, as many copies as they may want.

It is said that the train which will be used by the Duke and Duchess of Cornwall and suite, during their Canadian visit, will consist of eight cars, two of which will be special or private cars, and the balance standard sleepers and diners. All of them are being built by the C.P.R.Co. except one of the private cars, for which the Minister of Railways has placed an order in the U.S. Its general dimensions will be-length, 70 ft.; width, 9 ft. 8 ins.; over sills, height, top of sill to bottom of plate, 6 ft. 6 ins.; height over all, 13 ft. 8 ins.; width of deck openings, 4 ft. 10 ins. It will have iron sill framing, the outside will be sheeted mahogany, and the inside will be finished in red mahogany, except the dining-room, which will be in light oak, the two state-rooms in prima vera, and the kitchen in white oak. trucks will be standard 6-wheeled, and the wheels 36 ins. steel tired. The car will be fitted with Westinghouse air brakes, and lighted by electricity.

The Wabash Rd, has put in service three observation and cafe cars, one of which has been put on the run between Windsor, Ont., and Buffalo. The cars are over 70 ft. long, and have six-wheel trucks. They are finished in St. Jago mahogany, a light wood, and are carpeted and decorated in green relieved by gold striping and scrolls. At one end of the car are the observation compartments, with room for fourteen in the big easy chairs. At the end of the compartment are two escritoires, upon which are library shelves, with reading matter. Just adjoining this is the private cafe for eight ladies, furnished with turned leather seats and movable tables. At about the centre of the car are the cafes, with mahogany tables and chairs seating 18. At each end of the cafes are large display cabinets of plate glass, in which are kept the silverware used on the tables. Between the windows are niches, lined with heavy mirrors, for ferns and flowers. At the end of the cafe are mahogany sideboards, covered with shining cut glass and plate glass doors. The kitchens are as complete as those of the big dining cars. The windows are large. The cars are lighted by electricity and have electric fans.

The Canada Atlantic Ry.'s locomotive 619, illustrated on pg. 263, was built by the Baldwin Locomotive Works for fast passenger service between Montreal and Ottawa. Following are the general dimensions:

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-sides, 5-16 in.
back, 5-16 in.
crown, § in.
tube, § in.
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-Material, iron. Number, 262. Diameter, 2 in. Length, 15 ft. 0 in.

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Heating surface—Firebox, 171 sq. ft.

"Tubes, 2061,8 sq. ft.
"Total, 222,8 sq. ft.
"Grate area, 30.2 sq. ft.
Driving Wheels—Diameter outside, 78 in.
"Journals, 8 in. x 12 in.
Engine Truck Wheels (front)—Diameter, 36 in.
"Journals, 5½ in. x 10 in.
Trailing Wheels—Diameter, 54 in.
"Journals, 8 in. x 12 in.
Wheel base—Driving, 6 ft. 9 in.
"Rigid, 13 ft. 9 in.
"Total engine, 25 ft. 6 in.
"Total engine, 25 ft. 6 in.
"Unitary of the sq. ft. 9 in.
"Total engine, 25 ft. 6 in.
"Total engine, 25 ft. 6 in.
"Total engine, 26, 1,600 lbs.
"Total engine, 140, 700 lbs.
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The C.P.R. has since Jan. 1 last built the following equipment at its shops at Montreal and Farnham, Que., and Perth, Ont .:

50 coal cars, 30 tons capacity, 35 ft. long. 47 box cars, 30 tons capacity, 35 ft. long. 361 flat cars, 30 tons capacity, 35 ft. long. 3 boarding cars, 40 ft. long, for dining car

50 ore cars, 30 tons capacity, 26 ft. long.

20 standard vans, 33 ft. long.

Journals, 5 in x 9 in.
Tank capacity, 6,000 gals.

5 loco. flats, 50 tons capacity, 35 ft. long. 2 pile drivers, self-propelling, equipped with steam hammers.

10 first-class coaches: standard, 70 ft. 6 ins. long, equipped with wide vestibules and steel platforms, standard C.P.R. 6-wheel trucks with steel-tired wheels. Two of these cars, nos. 610 and 614, are equipped with acetylene

6 fruit express cars, special.

6 baggage and express cars, standard, 60

The C.P.R. has placed orders for the following equipment to be built in its shops at Montreal and Farnham, Que., and Perth, Ont.:

3 compartment cars, 70 ft. 6 in. long, with electric light.

20 first-class coaches.

6 sleeping cars.

2 parlor cars.

All the above will be C.P.R. standard finish and equipped with wide vestibules, steel platforms, and 6-wheel trucks with steel-tired wheels.

251 box cars, 30 tons capacity, 35 ft. long. 300 box cars, 40 tons capacity, 36 ft. 8 ins. long.

20 stock cars, 30 tons capacity, 35 ft. long. 15 vans, standard, 33 ft. long.

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