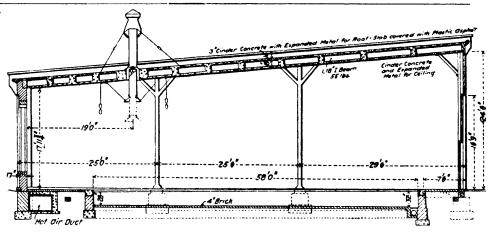
C.P.R. Locomotive Houses.

The new locomotive houses now being the the C.P.R. are of fireproof construction them. tion throughout. The main walls are built of masonry and brick, or concrete, and the mosts of concrete and steel, supported on steel motive hard in concrete. A complete locomotive hard being built at Win hotive house, such as is being built at Win of which on centre line of engine pit, are given given, consist of 42 stalls divided into sections by brick firewalls. The turntable pit is 71 ft. 6 in. in diameter, and the hiner wall is 95 ft. 2½ in. from the centre of the roundhouse is 80 ft. pit, and the depth of the roundhouse is 80 ft. he outer door and roof supports are made one of steel, and are 13 ft. 7 in. centres at the walls. The order of \$f\$ ft. 7 in length and 4 ft. walls. The pits are 58 ft. in length and 4 ft. The walls and footings are of concrete, and the floor paved with hard burnt brick on arched to paved with hard burnt brick on the floor paved with hard bu an arched bed of well puddled sand. They are Water basin is built at the end of each pit. These catch basins are connected with 10 in. An east pipes graded to run to the main outlet. An easy inspection is obtained by this method, and any blocking of drains can be remedied without blocking of drains can be remedied. The without digging or taking up pipes. The valls are bolted to the pit walls by placed into the congrete when the wall is placed into the concrete when the wall is built. The drop pit is built between and concetts two wide. At the locohects two pits, and is 7 ft. wide. At the locobolive pits, and is 7 ft. wide. At the local by steel beautiful they can be by beams so arranged that they can be wheels to facilitate the handling of driving the control of the control o wheels. The pit is 5 ft. 2 in. deep to the tage. Under the track is an opening 1 ft. auge, Under the track is an opening 1 ft. Ack. The roof is of concrete and steel con-The roof is of concrete and steer con-are of star. The main beams over the posts are of steel. The main beams over the posts are built of the posts are steel the posts are steel and concrete. The posts are steel the beam and concrete. The posts are steel with a metal tyc beams encased in concrete, with a metal resh close to the outer faces. Between the coss beams a 3 in slab of reinforced concrete carries the roof, and a 2 in. slab forms the roof, and a 2 in. slab forms to pre-Ceiling, the roof, and a 2 in. slab forms continue to prethe reinforced concrete beams are 24 ft. An extension is built at the rear of the house for independent of the engine and boiler rooms independent of



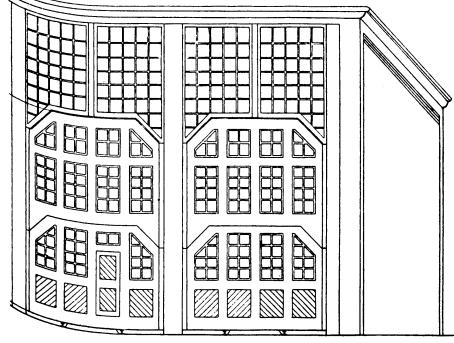
C. P. R. LOCOMOTIVE HOUSE-SECTION THROUGH PIT.

the roundhouse. The engine room contains the fan engine and blower for heating purposes. The houses are heated by hot air, the air being conducted through concrete and tile pipe ducts to the pits. The floor of the engine house is composed of brick with sand grout resting on a bed of well puddled sand. The pipes from the boiler house consist of a 3 in. exhaust steam pipe with attachments to connect with the steam domes of locomotives. Exhaust steam is used for heating purposes, a 4 in. wrought iron pipe serves for hot and cold water and a 1 1/4 in. pipe is used for compressed air. Attachments and valves are provided between each pair of pits. The houses are wired for electric light; three 16 candle power drop lights are hung over the main beams between pits and sockets for connecting hand lights are provided in a convenient position on each post.

The houses completed, now under construction and nearing completion, built after this design, are as follows:-North Bay, Ont., 18 stalls; Ignace, Ont., 12 stalls; Winnipeg, Man., 42 stalls; Brandon, Man., 18 stalls; Medicine Hat, Assa., 18 stalls; Swift Current, Assa., 10 stalls; Moose Jaw, Alta., 10 stalls;

North Bend, B.C., 6 stalls.

The Board of Railway Commissioners moved into its new offices in the Woods Building, Queen St., Ottawa, July 11.



C. P. R. LOCOMOTIVE HOUSE-FRONT ELEVATION.

August Birthdays.

Many happy returns of the day to-

H. H. Adams, Superintendent Canadian Division, Michigan Central Rd., at St. Thomas, Ont., born at Detroit, Mich., Aug. 13, 1876.

H. W. D. Armstrong, C.E., Lindsay, Ont.,

born at Ottawa Aug. 1, 1852.
R. Atkinson, ex-Superintendent of Rolling Stock, C.P.R., now Division Master Mechanic Philadelphia and Reading Rd., at Reading, Pa., born at Crewe, Eng., Aug., 1851. G. J. Chadd, Purchasing Agent Central

Ontario Ry., at Trenton, Ont., born in London, Eng., Aug. 21, 1837.

J. F. Chapman, General Freight and Passenger Agent Bay of Quinte Ry., born at

Frankford, Ont., Aug. 25, 1863.
H. G. Elliott, Assistant General Passenger and Ticket Agent, G.T.R., at Montreal, born

at Chambly, Que., Aug. 22, 1860.
Hon. W. Gibson, railway contractor,
Beamsville, Ont., born at Peterhead, Scot-

land, Aug. 7, 1849.
G. H. Ham, Literary Department C.P.R., at Montreal, born at Trenton, Ont., Aug. 23,

W. P. Hinton, General Freight and Pasada Atlantic Transit Co., at Ottawa, Ont.,

born at Hintonburg, Ont., Aug. 30, 1871.
R. Kerr, Passenger Traffic Manager, C.P.R., at Montreal, born at Toronto, Aug.,

G. M. Lang, Resident Engineer, C.P.R., at Winnipeg, born at Ottawa, Ont., Aug. 16,

J. D. McDonald, District Passenger Agent, G.T.R., at Toronto, born there Aug. 27, 1855.
T. McHattie, Master Mechanic, G.T.R., at Montreal, born at Dufftown, Banffshire,

at Montreal, born at Duntown, Banname, Scotland, Aug. 8, 1854.

J.E. Matthews, C.P.R. soliciting passenger agent, at Charlottetown, P.E.I., born at Albany, P.E.I., Aug. 17, 1869.

W. E. Mullens, Superintendent of Transportation Central Vermont Ry., at St. Albans, Vt., born at Stratford, Ont., Aug. 13, 1870.

W. S. Nevine. Travelling Freight Agent,

Vt., born at Stratford, Ont., Aug. 13, 1870.
W. S. Nevins, Travelling Freight Agent,
C.P.R. and Minneapolis, St. Paul & Sault Ste.
Marie Ry., at Buffalo, N.Y., born at Towanda, Pa., Aug. 13, 1850.
J. F. Richardson, Superintendent Eastern
Division C.P.R. Telegraphs, Montreal, born
at Graphy Que. Aug. 2, 1861.

at Granby, Que., Aug. 23, 1861.
C. R. Scoles, General Manager, Atlantic and Lake Superior Ry., at New Carlisle, Que., born at Grantham, Lincoln, Eng., Aug.

27, 1856.
M. C. Sturtevant, Car Service Agent, G.T.R., at Montreal, born at St. Albans, Vt.,

Aug. 28, 1866.
W. N. Warburton, General Freight Agent, Niagara, St. Catharines and Toronto Ry., at St. Catharines, Ont., born at St. Thomas, Ont., Aug. 24, 1851.