

a steam engine of sufficient horse power to work the pumps and throw 250 gallons of water per minute into tanks placed in the towers, from whence the water is supplied to all parts of the buildings. The heating is effected by steam conveyed in pipes from these boilers to the Senate Chamber, the Library, and the rooms adjoining, by means of a duct sufficiently large for the introduction of an abundant supply of fresh air, situated immediately under a vault in which steam pipes are placed to warm the air on its entering the vault from the duct, through a perforated floor, and before it passes into rooms proposed to be heated. These ducts enter on all sides of the building, and range in size according to the position in which they are placed. Of the ducts, there are 3,600 lineal feet, generally of 2 feet 4 inches high, with sides built of dressed stone and formed with slight descent where they pass out of the building. The other parts of the building are heated on what is called the coil system, or by direct radiation. For the rooms heated by this system there is an area of 4,308 feet of hot air flues, 24 by 19 inches sectional area, formed in the wall adjoining the committee rooms and other parts of the building heated, exclusive of ninety feet of others of greater dimensions for the larger steam pipes.

In the internal arrangement nothing appears to have been spared to make the buildings as perfect as possible. The wants of the government and its officials have been most carefully studied by the architects, and when all is completed, the beauty of the situation, combined with the elegance of the buildings, will enable the capitol of Canada to compare with any in the world.

Messieurs Fuller and Jones were the Architects, and Mr. Thomas McGreevey, the Contractor for the Parliament Building.

Messieurs Stent and Laver, the Architects, and Messieurs Jones, Haycock & Co., the contractors for the Departmental Buildings. Mr. Charles Garth is the person who successfully carried out the system for heating and ventilation.

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